

Linear and affine functions - slope-intercept form

Write down slope-intercept from standard form:

1) $5x + 3y = -14$

2) $13x - 8y = -12$

3) $3x + 2y = -14$

4) $6x - y = 0$

5) $2x + y = 3$

6) $2x + y = 6$

7) $5x - 2y = -16$

8) $x - 2y = -2$

9) $7x + 6y = -24$

10) $13x - 14y = -8$

11) $3x - y = -17$

12) $11x + y = -3$

13) $x - y = 1$

14) $x + y = -1$

15) $3x - 4y = 32$

16) $13x - 2y = -12$

17) $12x - 5y = 30$

18) $x = 8$

19) $3x - 7y = 0$

20) $9x + 5y = 35$

$$21) 3x - y = -8$$

$$22) 3x - 2y = 10$$

$$23) 10x + y = 2$$

$$24) x - y = -1$$

$$25) x + 7y = 7$$

$$26) 2x + 13y = -23$$

$$27) x - 2y = -12$$

$$28) 4x - 3y = -18$$

$$29) 13x + 6y = 48$$

$$30) x + 3y = 18$$

$$31) x = 1$$

$$32) 11x + 7y = -5$$

$$33) x = -3$$

$$34) x + 2y = 2$$

$$35) 5x - 3y = -18$$

$$36) 3x + 5y = -20$$

$$37) 5x + 3y = -9$$

$$38) 2x - 5y = 30$$

$$39) 5x - 3y = 2$$

$$40) 8x + 3y = 0$$

$$41) x + y = 4$$

$$42) 9x - 7y = -42$$

$$43) x + 3y = -8$$

$$44) x = 5$$

$$45) 14x - 5y = -30$$

$$46) 3x + 8y = 64$$

$$47) 5x + 3y = -18$$

$$48) 13x - 8y = 48$$

$$49) 3x - 5y = 25$$

$$50) 8x + y = 6$$

$$51) 5x + 4y = -8$$

$$52) 9x + 2y = -6$$

$$53) x + y = 8$$

$$54) 2x - y = 4$$

$$55) 7x - 4y = 20$$

$$56) 2x - 3y = -13$$

$$57) 2x - y = 3$$

$$58) x - y = -7$$

$$59) x + 2y = -12$$

$$60) 15x + 7y = 49$$

$$61) x = 7$$

$$62) 3x - 7y = -21$$

$$63) x - 3y = 18$$

$$64) x - 2y = -4$$

$$65) x + 2y = 4$$

$$66) 2x - y = -16$$

$$67) x - 9y = 12$$

$$68) y = -4$$

$$69) 2x - y = -6$$

$$70) 9x - 2y = -16$$

$$71) 5x + y = 2$$

$$72) 7x - y = -1$$

$$73) 4x + 5y = 15$$

$$74) y = 1$$

$$75) x + y = -3$$

$$76) x - 2y = 0$$

$$77) 3x - 8y = 50$$

$$78) x + 10y = -74$$

$$79) x - 4y = -28$$

$$80) 2x + y = 1$$

$$81) x - 4y = -4$$

$$82) 6x + y = 0$$

$$83) x + y = 1$$

$$84) 8x - y = 36$$

$$85) 11x + 9y = -28$$

$$86) 13x + y = -8$$

87) $2x - 5y = -5$

88) $2x + y = 0$

89) $5x + 2y = -12$

90) $3x - y = 8$

91) $x + 7y = 28$

92) $15x + y = 7$

93) $5x + 6y = -48$

94) $7x + 6y = -48$

95) $2x + 3y = -6$

96) $6x - 5y = -41$

97) $x + 4y = -12$

98) $9x + 5y = 5$

99) $11x - 7y = -49$

100) $3x - 2y = -12$

Write down slope-intercept from point-slope form:

101) $y + 4 = \frac{3}{5}(x + 5)$

102) $y = 0$

103) $y - 3 = 5(x - 1)$

104) $y - 2 = \frac{2}{5}(x - 4)$

105) $y + 5 = -\frac{5}{2}(x - 2)$

106) $y + 4 = \frac{5}{4}(x + 4)$

$$107) y - 3 = -2(x - 1)$$

$$108) y - 3 = \frac{1}{2}(x + 4)$$

$$109) y - 5 = -9(x + 1)$$

$$110) y + 3 = -\frac{3}{4}(x - 4)$$

$$111) y + 3 = 3(x - 1)$$

$$112) y - 5 = -4(x + 1)$$

$$113) y - 2 = 7(x - 1)$$

$$114) y - 5 = -3(x + 2)$$

$$115) y + 5 = -\frac{1}{2}(x - 5)$$

$$116) y - 5 = -\frac{1}{5}(x + 5)$$

$$117) y = -\frac{5}{4}(x + 3)$$

$$118) y + 5 = -\frac{9}{4}(x - 4)$$

$$119) y + 2 = -(x + 2)$$

$$120) y - 5 = \frac{8}{5}(x - 5)$$

$$121) y + 4 = -\frac{1}{6}(x - 2)$$

$$122) y + 3 = x + 2$$

$$123) y = -\frac{1}{2}(x - 4)$$

$$124) y + 3 = -\frac{1}{2}(x + 2)$$

$$125) y - 3 = x - 5$$

$$126) y = -5(x + 1)$$

$$127) y - 1 = -\frac{3}{2}(x + 4)$$

$$128) y + 2 = -\frac{2}{5}(x - 5)$$

$$129) y - 4 = \frac{9}{4}(x - 4)$$

$$130) y = -3(x - 1)$$

$$131) y - 5 = -\frac{10}{3}(x + 3)$$

$$132) y - 5 = \frac{5}{4}(x - 4)$$

$$133) y + 4 = -\frac{1}{6}(x - 1)$$

$$134) y - 3 = -\frac{8}{9}(x + 4)$$

$$135) y - 5 = x - 3$$

$$136) y + 5 = -\frac{3}{4}(x - 4)$$

$$137) y - 4 = -2(x + 3)$$

$$138) y - 3 = -(x - 2)$$

$$139) y + 1 = -\frac{1}{4}(x - 4)$$

$$140) y - 4 = -\frac{1}{6}(x + 4)$$

$$141) y + 1 = -\frac{3}{4}(x + 4)$$

$$142) y + 2 = x + 3$$

$$143) y - 1 = -\frac{2}{7}(x - 5)$$

$$144) y + 2 = -2(x - 3)$$

$$145) y + 5 = -\frac{2}{5}(x - 5)$$

$$146) y + 4 = 2(x + 1)$$

$$147) y + 3 = -(x + 5)$$

$$148) y - 5 = \frac{3}{7}(x - 4)$$

$$149) y + 3 = -\frac{5}{4}(x - 4)$$

$$150) y + 3 = 2(x + 2)$$

$$151) y + 4 = \frac{8}{9}(x + 5)$$

$$152) y - 4 = -\frac{4}{3}(x + 3)$$

$$153) y - 1 = -2(x - 1)$$

$$154) y - 5 = 0$$

$$155) y = -\frac{4}{5}(x - 5)$$

$$156) y = -\frac{3}{4}(x + 3)$$

$$157) y - 3 = \frac{3}{4}(x - 4)$$

$$158) y + 1 = -3(x - 1)$$

$$159) y - 2 = 2x$$

$$160) y = -\frac{5}{4}(x + 4)$$

$$161) y - 2 = -\frac{3}{2}(x + 4)$$

$$162) y + 4 = -\frac{4}{5}(x - 5)$$

$$163) y - 5 = \frac{4}{5}(x - 5)$$

$$164) y - 5 = -2(x + 3)$$

$$165) y + 4 = \frac{7}{8}(x + 4)$$

$$166) y + 3 = \frac{5}{4}(x + 3)$$

$$167) y + 3 = 0$$

$$168) y + 3 = -3(x - 1)$$

$$169) y = -(x - 4)$$

$$170) y + 5 = 2(x + 1)$$

$$171) y - 5 = 2(x - 1)$$

$$172) y - 2 = \frac{1}{2}(x + 4)$$

$$173) 0 = x + 1$$

$$174) y + 3 = \frac{3}{2}(x + 4)$$

$$175) y - 4 = -(x - 2)$$

$$176) y + 3 = \frac{1}{4}(x + 4)$$

$$177) y = -\frac{3}{2}(x + 1)$$

$$178) y - 5 = -(x + 5)$$

$$179) y - 4 = \frac{2}{7}(x - 3)$$

$$180) y + 1 = -\frac{5}{4}(x - 4)$$

$$181) y - 5 = -10(x + 1)$$

$$182) 0 = x - 5$$

$$183) y + 4 = \frac{4}{3}(x + 3)$$

$$184) y - 3 = -\frac{1}{3}(x + 3)$$

$$185) y - 3 = -\frac{6}{5}(x + 5)$$

$$186) y + 5 = -(x - 4)$$

$$187) y - 2 = \frac{2}{5}(x - 5)$$

$$188) y - 2 = \frac{4}{7}(x - 4)$$

$$189) y + 3 = -7(x - 1)$$

$$190) y - 1 = 2(x - 3)$$

$$191) y - 1 = \frac{1}{2}(x - 3)$$

$$192) 0 = x - 2$$

$$193) y - 2 = -7(x - 1)$$

$$194) y + 5 = -2(x - 3)$$

$$195) y + 2 = -\frac{3}{4}(x + 4)$$

$$196) y = \frac{5}{3}x$$

$$197) y = \frac{1}{2}(x - 2)$$

$$198) y - 5 = -(x + 3)$$

$$199) y - 1 = -\frac{1}{2}(x - 4)$$

$$200) y + 5 = -\frac{4}{3}(x + 1)$$

Write down slope-intercept from given form:

$$201) 3x - 5y - 25 = 0$$

$$202) -4x = -5 + y$$

$$203) 0 = -3y - 2x + 9$$

$$204) 5x + 8 = 2y$$

$$205) 0 = x + \frac{2}{5}y + \frac{2}{5}$$

$$206) -2x - 1 = y$$

$$207) 12 + 5x + 4y = 0$$

$$208) 0 = -1 + x$$

$$209) -8 = -2y + \frac{2}{3}x$$

$$210) -4 - 4y = x$$

$$211) -x = y + 5$$

$$212) -6x - 21 - 3y = 0$$

$$213) 0 = 1 - \frac{1}{5}y - \frac{1}{5}x$$

$$214) -\frac{5}{4}x = 5 - y$$

$$215) 2y = x$$

$$216) 10 = x - 5y$$

$$217) 6 = 4x - 2y$$

$$218) 4 + 7x = -2y$$

$$219) 2 - y + \frac{1}{2}x = 0$$

$$220) -5y = 17 - 2x$$

$$221) -12 = -4y + x$$

$$222) \frac{1}{6}y = -x - \frac{1}{3}$$

$$223) -5y = 16 - 9x$$

$$224) -7x = 3y + 26$$

$$225) 1 - \frac{1}{4}x + \frac{7}{20}y = 0$$

$$226) y - x = -1$$

$$227) 3 + 2x = -y$$

$$228) -1 - y = 0$$

$$229) -5x - 4y = 0$$

$$230) -3x + 1 = -y$$

$$231) 0 = y - 6x - 4$$

$$232) -8 - 4y = -3x$$

$$233) 3 - x = -y$$

$$234) 0 = -10 - 2y + x$$

$$235) 4y - 3x = -20$$

$$236) -2 + x = 0$$

$$237) 10 - 7y = -5x$$

$$238) 3 + x = -y$$

$$239) -y + 4 + x = 0$$

$$240) 4x = -15 + 5y$$

$$241) 0 = 5x - 6 - y$$

$$242) -5 + 5y = -x$$

$$243) -4 = y$$

$$244) -2 - y = x$$

$$245) 3x - 9 = 0$$

$$246) 2x = -5 + 3y$$

$$247) -16 + 4y = 6x$$

$$248) 15 - 7x = 5y$$

$$249) -6 = -2y + 5x$$

$$250) -6 = -3x + 2y$$

$$251) -5x - 10 = 7y$$

$$252) 12 - 5x = 4y$$

$$253) 0 = -y - 3 - 3x$$

$$254) 1 = 3x - 4y$$

$$255) 0 = -15 - 3y - 10x$$

$$256) \frac{6}{5}x = 3 + 3y$$

$$257) -2 = x - y$$

$$258) 2x = -6 - 4y$$

$$259) -y - x + 3 = 0$$

$$260) 0 = -30 + 3x + 9y$$

$$261) -1 - y = 3x$$

$$262) -2x - y - 2 = 0$$

$$263) -6 + x = 2y$$

$$264) -2y = -6 - 3x$$

$$265) 6 - 6y + 9x = 0$$

$$266) -y - x = 1$$

$$267) -6y = -x + 29$$

$$268) -9x + 60 = 21y$$

$$269) 8 = x - 4y$$

$$270) 20 + 4y = -7x$$

$$271) -2y + x = 4$$

$$272) -2 - x = 0$$

$$273) -1 + \frac{3}{10}x = \frac{1}{5}y$$

$$274) -5y = -25 - x$$

$$275) 15x = -3y - 6$$

$$276) 0 = -x - 5$$

$$277) 2 = -y - \frac{5}{3}x$$

$$278) -8x + 5 - y = 0$$

$$279) 0 = y + 5$$

$$280) 4x - 2y = -6$$

$$281) -y + 5 = 9x$$

$$282) 5x - 3 - 7y = 0$$

$$283) -7y - 5x - 8 = 0$$

$$284) 0 = -2 - 3x - 2y$$

$$285) y - 5 = 2x$$

$$286) 1 - 4x - y = 0$$

$$287) 6 - 10y = -4x$$

$$288) 3y = -2x + 5$$

$$289) 4 = y$$

$$290) -2y + 5x = 0$$

$$291) -y - \frac{25}{2} = -\frac{5}{2}x$$

$$292) -7x - 3 = y$$

$$293) x = -y + 1$$

$$294) 3x + 24 + 6y = 0$$

$$295) \frac{3}{2}y = x - \frac{15}{2}$$

$$296) -y + x = 2$$

$$297) 4y = -3x$$

$$298) 7y = 8 - 4x$$

$$299) 3 - 8x = y$$

$$300) 3y - 9 + 5x = 0$$

Write down slope-intercept from given point and slope:

301) through: $(3, 5)$, slope = $\frac{5}{3}$

302) through: $(3, -5)$, slope = $-\frac{7}{3}$

303) through: $(4, -5)$, slope = $-\frac{3}{2}$

304) through: $(-2, -1)$, slope = -2

305) through: $(-5, 4)$, slope = $-\frac{1}{5}$

306) through: $(3, -3)$, slope = $\frac{2}{3}$

307) through: $(0, -5)$, slope = -6

308) through: $(-2, 4)$, slope = 0

309) through: $(4, 4)$, slope = undefined

310) through: $(-1, -3)$, slope = 2

311) through: $(-2, -1)$, slope = undefined

312) through: $(3, 0)$, slope = $-\frac{1}{3}$

313) through: $(1, -3)$, slope = undefined

314) through: $(2, 0)$, slope = undefined

315) through: $(-1, 4)$, slope = $-\frac{2}{3}$

316) through: $(-2, 4)$, slope = -2

317) through: $(4, 5)$, slope = $\frac{3}{2}$

318) through: $(3, -3)$, slope = undefined

319) through: $(-3, -2)$, slope = $\frac{7}{3}$

320) through: $(4, 5)$, slope = $\frac{9}{4}$

321) through: $(5, 5)$, slope = $\frac{5}{9}$

322) through: $(-3, 5)$, slope = $-\frac{2}{3}$

323) through: $(2, 3)$, slope = $\frac{3}{2}$

324) through: $(-3, -5)$, slope = -4

325) through: $(-1, 4)$, slope = undefined

326) through: $(-4, 2)$, slope = $-\frac{1}{4}$

327) through: $(0, 2)$, slope = -2

328) through: $(-1, 0)$, slope = $-\frac{1}{4}$

329) through: $(5, 1)$, slope = $-\frac{1}{5}$

330) through: $(-2, -1)$, slope = $\frac{3}{2}$

331) through: $(3, -1)$, slope = -3

332) through: $(4, -2)$, slope = $\frac{1}{2}$

333) through: $(-1, -5)$, slope = 0

334) through: $(4, -2)$, slope = $-\frac{3}{4}$

335) through: $(1, 1)$, slope = 0

336) through: $(4, -1)$, slope = -1

337) through: $(-4, 4)$, slope = $-\frac{7}{4}$

338) through: $(-2, -1)$, slope = $-\frac{2}{3}$

339) through: $(3, -2)$, slope = $-\frac{7}{3}$

340) through: $(-1, 0)$, slope = -1

341) through: $(-5, -2)$, slope = $\frac{1}{4}$

342) through: $(-3, 4)$, slope = $-\frac{9}{7}$

343) through: $(5, -1)$, slope = $-\frac{4}{5}$

344) through: $(-3, 4)$, slope = $-\frac{1}{3}$

345) through: $(1, 0)$, slope = 0

346) through: $(-1, -2)$, slope = 5

347) through: $(-3, -2)$, slope = $-\frac{1}{8}$

348) through: $(-2, 1)$, slope = $-\frac{5}{2}$

349) through: $(2, -2)$, slope = $\frac{1}{2}$

350) through: $(5, 4)$, slope = $\frac{1}{5}$

351) through: $(-2, 3)$, slope = $\frac{1}{2}$

352) through: $(-3, -2)$, slope = $\frac{1}{3}$

353) through: $(-3, 0)$, slope = $-\frac{1}{3}$

355) through: $(-1, -1)$, slope = 1

357) through: $(1, 4)$, slope = 3

359) through: $(1, 4)$, slope = 1

361) through: $(5, 0)$, slope = $\frac{1}{6}$

363) through: $(-4, 4)$, slope = $-\frac{1}{2}$

365) through: $(5, 2)$, slope = $\frac{4}{5}$

367) through: $(5, 5)$, slope = $\frac{1}{5}$

369) through: $(1, -5)$, slope = -2

371) through: $(-5, -2)$, slope = 0

373) through: $(-1, -5)$, slope = 3

375) through: $(-3, 2)$, slope = $\frac{3}{2}$

377) through: $(-5, 4)$, slope = $-\frac{2}{5}$

379) through: $(3, 4)$, slope = $\frac{5}{3}$

354) through: $(-1, -4)$, slope = 3

356) through: $(1, -4)$, slope = $\frac{1}{5}$

358) through: $(3, 1)$, slope = 4

360) through: $(4, 3)$, slope = 4

362) through: $(4, 4)$, slope = $-\frac{1}{4}$

364) through: $(1, 5)$, slope = 2

366) through: $(-2, -2)$, slope = $\frac{5}{2}$

368) through: $(-5, -4)$, slope = $\frac{9}{5}$

370) through: $(1, 3)$, slope = 2

372) through: $(-1, -1)$, slope = $\frac{1}{5}$

374) through: $(1, 1)$, slope = 5

376) through: $(0, -2)$, slope = $-\frac{2}{3}$

378) through: $(-5, 2)$, slope = $-\frac{2}{5}$

380) through: $(4, 1)$, slope = $-\frac{3}{4}$

381) through: $(5, 5)$, slope = $\frac{3}{8}$

382) through: $(4, -3)$, slope = -2

383) through: $(5, -5)$, slope = $-\frac{4}{5}$

384) through: $(1, 0)$, slope = 1

385) through: $(-5, -1)$, slope = $-\frac{4}{5}$

386) through: $(3, 2)$, slope = 0

387) through: $(-4, 3)$, slope = $-\frac{1}{2}$

388) through: $(-5, 2)$, slope = undefined

389) through: $(-4, -2)$, slope = $\frac{3}{2}$

390) through: $(-3, 1)$, slope = $-\frac{5}{3}$

391) through: $(4, -5)$, slope = -3

392) through: $(5, 3)$, slope = $\frac{1}{5}$

393) through: $(2, -3)$, slope = $-\frac{7}{2}$

394) through: $(5, -4)$, slope = $-\frac{9}{5}$

395) through: $(5, -2)$, slope = $\frac{1}{5}$

396) through: $(1, -1)$, slope = -2

397) through: $(3, 5)$, slope = $\frac{8}{3}$

398) through: $(2, -1)$, slope = 1

399) through: $(-4, 2)$, slope = $\frac{3}{4}$

400) through: $(-2, 2)$, slope = $\frac{4}{3}$

Write down slope-intercept from given points:

401) through: $(3, 0)$ and $(-1, 2)$

402) through: $(2, -3)$ and $(-2, 2)$

403) through: $(-4, -3)$ and $(0, 1)$

404) through: $(0, 0)$ and $(5, 2)$

405) through: $(-3, 1)$ and $(-1, 5)$

406) through: $(5, 2)$ and $(0, -4)$

- 407) through: $(0, -5)$ and $(2, 4)$
- 409) through: $(0, -3)$ and $(-3, 0)$
- 411) through: $(-4, -4)$ and $(-3, -4)$
- 413) through: $(3, 0)$ and $(0, -5)$
- 415) through: $(0, 3)$ and $(2, -3)$
- 417) through: $(0, -5)$ and $(-4, 1)$
- 419) through: $(2, 3)$ and $(-4, 0)$
- 421) through: $(3, -2)$ and $(-1, 0)$
- 423) through: $(-2, -3)$ and $(5, -3)$
- 425) through: $(5, 3)$ and $(2, -1)$
- 427) through: $(1, 0)$ and $(-3, -4)$
- 429) through: $(0, -3)$ and $(-2, 1)$
- 431) through: $(-2, -5)$ and $(0, 2)$
- 433) through: $(-2, 4)$ and $(0, -5)$
- 435) through: $(4, 5)$ and $(2, 2)$
- 437) through: $(0, -1)$ and $(3, -2)$
- 439) through: $(-5, -2)$ and $(-4, 1)$
- 441) through: $(-2, 1)$ and $(-2, -1)$
- 408) through: $(1, 0)$ and $(5, -1)$
- 410) through: $(-1, 1)$ and $(-2, 5)$
- 412) through: $(-2, 4)$ and $(0, -2)$
- 414) through: $(0, 5)$ and $(5, 1)$
- 416) through: $(0, 5)$ and $(2, -5)$
- 418) through: $(4, -4)$ and $(-2, 3)$
- 420) through: $(1, -1)$ and $(-5, 3)$
- 422) through: $(-4, -4)$ and $(0, 1)$
- 424) through: $(0, 2)$ and $(3, 1)$
- 426) through: $(-3, 4)$ and $(0, 0)$
- 428) through: $(0, 5)$ and $(-1, -2)$
- 430) through: $(-2, -5)$ and $(0, 0)$
- 432) through: $(4, 2)$ and $(4, -5)$
- 434) through: $(-1, 2)$ and $(0, 1)$
- 436) through: $(-2, 0)$ and $(-1, 1)$
- 438) through: $(-4, 3)$ and $(0, -3)$
- 440) through: $(2, 3)$ and $(-2, -3)$
- 442) through: $(3, -2)$ and $(4, -1)$

443) through: $(1, -3)$ and $(-4, 2)$

444) through: $(-5, 4)$ and $(-3, 0)$

445) through: $(1, 5)$ and $(-3, -1)$

446) through: $(0, -2)$ and $(2, -3)$

447) through: $(4, 5)$ and $(-1, -1)$

448) through: $(-2, -4)$ and $(0, -3)$

449) through: $(2, 0)$ and $(0, 5)$

450) through: $(-2, 0)$ and $(-4, 4)$

451) through: $(0, 3)$ and $(3, 2)$

452) through: $(0, 4)$ and $(4, -2)$

453) through: $(0, 1)$ and $(-4, 3)$

454) through: $(4, 5)$ and $(2, -4)$

455) through: $(-3, 0)$ and $(-1, 5)$

456) through: $(0, -4)$ and $(0, -2)$

457) through: $(1, -2)$ and $(4, 2)$

458) through: $(3, 1)$ and $(0, -3)$

459) through: $(5, -1)$ and $(-3, 0)$

460) through: $(-1, 1)$ and $(1, -3)$

461) through: $(0, 0)$ and $(-4, 5)$

462) through: $(1, 0)$ and $(-5, -2)$

463) through: $(0, 1)$ and $(-1, 5)$

464) through: $(-3, 0)$ and $(1, 5)$

465) through: $(-5, -2)$ and $(-2, 5)$

466) through: $(3, 5)$ and $(-4, 2)$

467) through: $(0, 1)$ and $(1, -2)$

468) through: $(0, 3)$ and $(3, -4)$

469) through: $(0, 0)$ and $(5, 5)$

470) through: $(2, 3)$ and $(0, -5)$

471) through: $(4, 0)$ and $(3, -3)$

472) through: $(3, -4)$ and $(-2, 5)$

473) through: $(0, 3)$ and $(2, -5)$

474) through: $(1, -5)$ and $(0, 2)$

475) through: $(-1, -3)$ and $(2, -4)$

476) through: $(0, 3)$ and $(1, 1)$

477) through: $(0, 5)$ and $(-5, 4)$

478) through: $(1, -3)$ and $(3, 5)$

479) through: $(5, 5)$ and $(0, -2)$

480) through: $(-1, 0)$ and $(-4, 0)$

481) through: $(-1, -4)$ and $(0, 5)$

482) through: $(2, 2)$ and $(2, 5)$

483) through: $(4, -3)$ and $(5, -5)$

484) through: $(2, -4)$ and $(-3, 4)$

485) through: $(-2, 4)$ and $(2, -3)$

486) through: $(1, -1)$ and $(5, 4)$

487) through: $(4, -5)$ and $(0, 2)$

488) through: $(0, -2)$ and $(-1, 4)$

489) through: $(0, -1)$ and $(1, 4)$

490) through: $(1, 4)$ and $(0, 3)$

491) through: $(4, 2)$ and $(2, 4)$

492) through: $(5, 0)$ and $(5, -4)$

493) through: $(-1, 2)$ and $(4, -2)$

494) through: $(2, 1)$ and $(4, 2)$

495) through: $(0, 2)$ and $(1, 1)$

496) through: $(2, -3)$ and $(-3, 2)$

497) through: $(2, -3)$ and $(-3, -4)$

498) through: $(5, -2)$ and $(3, -3)$

499) through: $(-4, -3)$ and $(0, -4)$

500) through: $(-4, 2)$ and $(-1, -5)$

Write down slope-intercept from given point and parallel linear functions:

501) through: $(3, -4)$, parallel to $y = 3$

502) through: $(5, -5)$, parallel to $y = -6x - 2$

503) through: $(-2, -2)$, parallel to $y = -\frac{1}{2}x - 2$

504) through: $(5, 5)$, parallel to $y = x + 4$

505) through: $(1, 3)$, parallel to $y = -2x - 2$

506) through: $(-4, 0)$, parallel to $y = -\frac{1}{2}x - 4$

507) through: $(-4, 1)$, parallel to $y = \frac{1}{3}x - 5$

508) through: $(-4, 4)$, parallel to $y = -\frac{3}{4}x + 5$

509) through: $(3, 2)$, parallel to $y = \frac{7}{3}x + 5$

510) through: $(-5, -2)$, parallel to $y = \frac{1}{5}x + 5$

511) through: $(-3, 0)$, parallel to $y = 3$

512) through: $(-4, -1)$, parallel to $x = 0$

513) through: $(4, 2)$, parallel to $x = 0$

514) through: $(5, 5)$, parallel to $y = \frac{6}{5}x + 4$

515) through: $(4, -4)$, parallel to $y = -x + 1$

516) through: $(3, -2)$, parallel to $x = 0$

517) through: $(-3, -4)$, parallel to $y = -\frac{1}{3}x + 1$

518) through: $(3, -5)$, parallel to $y = -\frac{5}{3}x + 4$

519) through: $(-2, 4)$, parallel to $y = -\frac{1}{2}x + 1$

520) through: $(-3, 1)$, parallel to $y = \frac{1}{3}x - 2$

521) through: $(0, 4)$, parallel to $y = \frac{1}{3}x - 3$

522) through: $(1, 1)$, parallel to $y = -x - 5$

523) through: $(-4, 0)$, parallel to $y = -\frac{3}{7}x - 4$

524) through: $(5, 4)$, parallel to $y = \frac{8}{5}x + 3$

525) through: $(5, -3)$, parallel to $y = -\frac{2}{9}x - 1$

526) through: $(1, -2)$, parallel to $y = -7x - 1$

527) through: $(2, -3)$, parallel to $y = -2x + 2$

528) through: $(-5, 5)$, parallel to $y = -\frac{9}{5}x + 3$

529) through: $(-4, -1)$, parallel to $y = x - 2$

530) through: $(-1, 1)$, parallel to $y = -5x + 1$

531) through: $(1, 5)$, parallel to $y = -5x$

532) through: $(1, -1)$, parallel to $x = 0$

533) through: $(-4, 3)$, parallel to $y = -2x + 5$

534) through: $(-2, 2)$, parallel to $y = x + 5$

535) through: $(-2, -2)$, parallel to $x = 0$

536) through: $(-4, 0)$, parallel to $y = \frac{1}{2}x - 4$

537) through: $(3, -2)$, parallel to $y = -\frac{2}{3}x + 5$

538) through: $(3, 0)$, parallel to $y = -x - 2$

539) through: $(-1, 4)$, parallel to $y = \frac{4}{3}x - 1$

540) through: $(-1, 1)$, parallel to $y = -\frac{4}{5}x$

541) through: $(4, 1)$, parallel to $y = -3$

542) through: $(5, 1)$, parallel to $y = -\frac{4}{5}x - 4$

543) through: $(-3, -2)$, parallel to $y = \frac{2}{3}x + 5$

544) through: $(4, -4)$, parallel to $y = -\frac{3}{2}x - 3$

545) through: $(1, 5)$, parallel to $y = 8x - 5$

546) through: $(2, 1)$, parallel to $x = 0$

547) through: $(3, 5)$, parallel to $y = 2x$

548) through: $(-2, -2)$, parallel to $y = -\frac{3}{2}x - 1$

549) through: $(2, -3)$, parallel to $y = -x + 2$

550) through: $(-1, -3)$, parallel to $y = \frac{2}{3}x + 4$

551) through: $(-1, -1)$, parallel to $y = -x - 5$

552) through: $(-3, -3)$, parallel to $y = \frac{2}{3}x + 3$

553) through: $(-5, -5)$, parallel to $y = \frac{6}{5}x - 3$

554) through: $(-1, -1)$, parallel to $y = 6x - 1$

555) through: $(-4, -4)$, parallel to $y = \frac{1}{4}x + 5$

556) through: $(2, 3)$, parallel to $y = \frac{3}{2}x - 5$

557) through: $(4, 0)$, parallel to $y = -x + 2$

558) through: $(-5, -5)$, parallel to $y = \frac{8}{5}x - 4$

559) through: $(2, 0)$, parallel to $y = -\frac{3}{2}x - 2$

560) through: $(-4, -3)$, parallel to $y = \frac{3}{2}x - 3$

561) through: $(3, 0)$, parallel to $y = -\frac{2}{3}x$

562) through: $(3, 4)$, parallel to $y = \frac{1}{3}x - 5$

563) through: $(-5, 5)$, parallel to $y = -\frac{2}{5}x - 1$

564) through: $(-5, 2)$, parallel to $y = -\frac{7}{5}x + 2$

565) through: $(1, -2)$, parallel to $y = \frac{3}{2}x + 5$

566) through: $(-5, 3)$, parallel to $y = -\frac{3}{5}x + 5$

567) through: $(2, 4)$, parallel to $y = 4x$

568) through: $(-2, -3)$, parallel to $y = \frac{1}{5}x + 1$

569) through: $(1, 5)$, parallel to $y = 9x$

570) through: $(2, 2)$, parallel to $y = \frac{3}{2}x + 4$

571) through: $(1, -3)$, parallel to $y = -7x - 3$

572) through: $(-3, 4)$, parallel to $y = -7x + 1$

573) through: $(-1, -2)$, parallel to $y = -2x + 1$

574) through: $(4, 1)$, parallel to $y = -2x - 5$

575) through: $(-3, -2)$, parallel to $y = -\frac{1}{3}x - 5$

576) through: $(1, -2)$, parallel to $y = -2x + 2$

577) through: $(5, 0)$, parallel to $y = \frac{2}{5}x - 4$

578) through: $(-5, -3)$, parallel to $x = 0$

579) through: $(5, -2)$, parallel to $y = \frac{1}{3}x + 2$

580) through: $(-1, -5)$, parallel to $y = 9x + 5$

581) through: $(1, -3)$, parallel to $y = x + 2$

582) through: $(5, 1)$, parallel to $y = \frac{1}{5}x + 4$

583) through: $(5, -4)$, parallel to $y = -\frac{3}{5}x + 4$

584) through: $(3, 1)$, parallel to $y = x + 3$

585) through: $(-2, -5)$, parallel to $y = 4x + 1$

586) through: $(1, -2)$, parallel to $y = -6x + 2$

587) through: $(0, -2)$, parallel to $y = -\frac{5}{2}x + 4$

588) through: $(-1, -2)$, parallel to $y = x - 5$

589) through: $(1, 1)$, parallel to $y = -2x - 5$

590) through: $(4, -1)$, parallel to $y = -\frac{5}{4}x - 4$

591) through: $(-3, -1)$, parallel to $y = 2x + 2$

592) through: $(-5, 0)$, parallel to $y = \frac{3}{5}x + 5$

593) through: $(-3, -4)$, parallel to $y = -7x - 3$

594) through: $(-2, 4)$, parallel to $y = -\frac{3}{2}x$

595) through: $(-2, -4)$, parallel to $y = \frac{7}{2}x$

596) through: $(5, -3)$, parallel to $y = -\frac{2}{5}x - 3$

597) through: $(3, -5)$, parallel to $y = -\frac{10}{3}x - 5$

598) through: $(2, 3)$, parallel to $y = 3x + 2$

599) through: $(4, 4)$, parallel to $y = 3x + 1$

600) through: $(3, 2)$, parallel to $y = -5$

Write down slope-intercept from given point and perpendicular function:

601) through: $(3, -3)$, perp. to $y = \frac{3}{4}x - 2$

602) through: $(-1, -5)$, perp. to $y = -x - 2$

603) through: $(1, 2)$, perp. to $y = -\frac{1}{6}x + 4$

604) through: $(5, -3)$, perp. to $y = x - 1$

605) through: $(2, -1)$, perp. to $y = \frac{1}{3}x$

606) through: $(-3, -1)$, perp. to $y = -5$

607) through: $(-4, -1)$, perp. to $y = -\frac{6}{5}x - 4$

608) through: $(-3, 0)$, perp. to $y = -x + 1$

609) through: $(-1, 3)$, perp. to $y = -x + 2$

610) through: $(3, 4)$, perp. to $y = -\frac{3}{7}x - 4$

611) through: $(4, -1)$, perp. to $y = -2x - 3$

612) through: $(5, 4)$, perp. to $y = -\frac{8}{3}x - 4$

613) through: $(2, -5)$, perp. to $y = \frac{2}{7}x - 3$

614) through: $(-4, -5)$, perp. to $y = -4x - 2$

615) through: $(-2, 2)$, perp. to $y = 2x - 1$

616) through: $(1, -5)$, perp. to $y = \frac{1}{7}x + 5$

617) through: $(5, -2)$, perp. to $y = \frac{5}{3}x + 1$

618) through: $(-1, 5)$, perp. to $y = \frac{1}{6}x - 5$

619) through: $(2, 2)$, perp. to $y = x + 4$

620) through: $(-4, 3)$, perp. to $y = \frac{4}{5}x + 2$

621) through: $(5, -4)$, perp. to $y = \frac{5}{4}x + 5$

622) through: $(-5, -5)$, perp. to $y = -\frac{5}{3}x$

623) through: $(5, -1)$, perp. to $y = \frac{5}{2}x + 5$

624) through: $(1, 5)$, perp. to $y = \frac{1}{4}x - 3$

625) through: $(2, 4)$, perp. to $y = -\frac{2}{7}x + 5$

626) through: $(-1, 4)$, perp. to $y = \frac{5}{2}x - 5$

627) through: $(5, 4)$, perp. to $y = -4x - 3$

628) through: $(-1, 0)$, perp. to $y = -\frac{1}{4}x + 2$

629) through: $(5, -5)$, perp. to $y = \frac{5}{3}x + 2$

630) through: $(4, -4)$, perp. to $y = \frac{2}{3}x - 5$

631) through: $(5, 5)$, perp. to $y = -\frac{5}{4}x - 4$

632) through: $(5, -3)$, perp. to $y = \frac{5}{6}x + 1$

633) through: $(-5, 2)$, perp. to $y = \frac{1}{7}x + 1$

634) through: $(4, -5)$, perp. to $y = 2x - 1$

635) through: $(-2, 2)$, perp. to $y = -\frac{3}{2}x - 5$

636) through: $(5, -2)$, perp. to $y = \frac{5}{7}x$

637) through: $(1, -1)$, perp. to $y = x - 4$

638) through: $(-2, -1)$, perp. to $y = -\frac{1}{3}x + 2$

639) through: $(1, -3)$, perp. to $y = \frac{1}{5}x$

640) through: $(1, 4)$, perp. to $x = 0$

641) through: $(2, -4)$, perp. to $y = \frac{1}{3}x$

642) through: $(1, 1)$, perp. to $y = -\frac{1}{3}x - 4$

643) through: $(-4, 5)$, perp. to $y = -2$

644) through: $(1, -3)$, perp. to $y = \frac{1}{4}x + 1$

645) through: $(-2, -1)$, perp. to $y = x$

646) through: $(2, -3)$, perp. to $y = \frac{2}{5}x + 4$

647) through: $(-5, -2)$, perp. to $x = 0$

648) through: $(2, 3)$, perp. to $y = -\frac{3}{5}x + 4$

649) through: $(-4, -4)$, perp. to $y = -x + 4$

650) through: $(-3, 1)$, perp. to $y = -\frac{3}{2}x + 5$

651) through: $(5, 4)$, perp. to $y = -\frac{8}{7}x + 5$

652) through: $(-4, 4)$, perp. to $y = \frac{4}{3}x - 4$

653) through: $(5, -5)$, perp. to $y = 0$

654) through: $(1, -2)$, perp. to $y = -\frac{1}{3}x + 5$

655) through: $(-2, -2)$, perp. to $y = -\frac{1}{3}x + 4$

656) through: $(2, 2)$, perp. to $y = -\frac{1}{2}x + 4$

657) through: $(3, -3)$, perp. to $y = \frac{3}{5}x - 2$

658) through: $(-3, 1)$, perp. to $y = -\frac{3}{4}x$

659) through: $(3, 5)$, perp. to $y = -x + 5$

660) through: $(-1, 4)$, perp. to $y = \frac{1}{8}x$

661) through: $(4, -4)$, perp. to $y = \frac{4}{5}x + 5$

662) through: $(-1, 5)$, perp. to $y = \frac{3}{7}x + 3$

663) through: $(-5, -5)$, perp. to $x = 0$

664) through: $(4, 3)$, perp. to $y = -\frac{4}{5}x + 2$

665) through: $(-2, 2)$, perp. to $y = \frac{2}{3}x - 2$

666) through: $(-1, -4)$, perp. to $y = -\frac{1}{7}x$

667) through: $(-1, 1)$, perp. to $x = 0$

668) through: $(5, 0)$, perp. to $y = -5x - 1$

669) through: $(-4, 0)$, perp. to $y = 8x - 5$

670) through: $(2, -3)$, perp. to $y = -2x - 1$

671) through: $(-1, 4)$, perp. to $y = \frac{1}{3}x - 1$

672) through: $(1, 2)$, perp. to $y = -\frac{1}{5}x - 4$

673) through: $(-5, 3)$, perp. to $y = -\frac{5}{2}x + 1$

674) through: $(4, 5)$, perp. to $y = -\frac{2}{3}x - 2$

675) through: $(4, 3)$, perp. to $x = 0$

676) through: $(-2, 1)$, perp. to $y = -2$

677) through: $(-5, -2)$, perp. to $y = -\frac{5}{7}x + 1$

678) through: $(-4, -4)$, perp. to $y = -3x - 1$

679) through: $(-2, 3)$, perp. to $y = -x + 5$

680) through: $(-5, 2)$, perp. to $y = 5x + 5$

681) through: $(4, -2)$, perp. to $y = \frac{4}{5}x + 4$

682) through: $(3, -3)$, perp. to $y = 0$

683) through: $(2, 4)$, perp. to $y = -\frac{2}{9}x$

684) through: $(4, 1)$, perp. to $y = 9x$

685) through: $(-4, -2)$, perp. to $y = 2x$

686) through: $(-2, 3)$, perp. to $y = x + 2$

687) through: $(2, -5)$, perp. to $y = \frac{2}{5}x - 3$

688) through: $(1, 4)$, perp. to $y = -\frac{1}{5}x - 4$

689) through: $(-2, 5)$, perp. to $y = 2x - 4$

690) through: $(-1, 3)$, perp. to $y = \frac{1}{3}x - 3$

691) through: $(1, -5)$, perp. to $y = \frac{1}{8}x + 5$

692) through: $(-4, 1)$, perp. to $y = \frac{5}{4}x - 2$

693) through: $(-5, -4)$, perp. to $y = -\frac{5}{2}x - 2$

694) through: $(1, -2)$, perp. to $y = \frac{1}{6}x + 1$

695) through: $(4, 2)$, perp. to $y = -3$

696) through: $(-5, 3)$, perp. to $y = -3$

697) through: $(-4, 3)$, perp. to $y = 4x$

698) through: $(3, 4)$, perp. to $y = -\frac{3}{8}x + 5$

699) through: $(-1, -3)$, perp. to $y = -\frac{1}{4}x + 2$

700) through: $(-5, 3)$, perp. to $y = x - 5$

Linear and affine functions - slope-intercept form

Write down slope-intercept from standard form:

1) $5x + 3y = -14$

$$y = -\frac{5}{3}x - \frac{14}{3}$$

2) $13x - 8y = -12$

$$y = \frac{13}{8}x + \frac{3}{2}$$

3) $3x + 2y = -14$

$$y = -\frac{3}{2}x - 7$$

4) $6x - y = 0$

$$y = 6x$$

5) $2x + y = 3$

$$y = -2x + 3$$

6) $2x + y = 6$

$$y = -2x + 6$$

7) $5x - 2y = -16$

$$y = \frac{5}{2}x + 8$$

8) $x - 2y = -2$

$$y = \frac{1}{2}x + 1$$

9) $7x + 6y = -24$

$$y = -\frac{7}{6}x - 4$$

10) $13x - 14y = -8$

$$y = \frac{13}{14}x + \frac{4}{7}$$

11) $3x - y = -17$

$$y = 3x + 17$$

12) $11x + y = -3$

$$y = -11x - 3$$

13) $x - y = 1$

$$y = x - 1$$

14) $x + y = -1$

$$y = -x - 1$$

15) $3x - 4y = 32$

$$y = \frac{3}{4}x - 8$$

16) $13x - 2y = -12$

$$y = \frac{13}{2}x + 6$$

17) $12x - 5y = 30$

$$y = \frac{12}{5}x - 6$$

18) $x = 8$

$$x = 8$$

19) $3x - 7y = 0$

$$y = \frac{3}{7}x$$

20) $9x + 5y = 35$

$$y = -\frac{9}{5}x + 7$$

$$21) 3x - y = -8$$

$$y = 3x + 8$$

$$23) 10x + y = 2$$

$$y = -10x + 2$$

$$25) x + 7y = 7$$

$$y = -\frac{1}{7}x + 1$$

$$27) x - 2y = -12$$

$$y = \frac{1}{2}x + 6$$

$$29) 13x + 6y = 48$$

$$y = -\frac{13}{6}x + 8$$

$$31) x = 1$$

$$x = 1$$

$$33) x = -3$$

$$x = -3$$

$$35) 5x - 3y = -18$$

$$y = \frac{5}{3}x + 6$$

$$37) 5x + 3y = -9$$

$$y = -\frac{5}{3}x - 3$$

$$39) 5x - 3y = 2$$

$$y = \frac{5}{3}x - \frac{2}{3}$$

$$41) x + y = 4$$

$$y = -x + 4$$

$$22) 3x - 2y = 10$$

$$y = \frac{3}{2}x - 5$$

$$24) x - y = -1$$

$$y = x + 1$$

$$26) 2x + 13y = -23$$

$$y = -\frac{2}{13}x - \frac{23}{13}$$

$$28) 4x - 3y = -18$$

$$y = \frac{4}{3}x + 6$$

$$30) x + 3y = 18$$

$$y = -\frac{1}{3}x + 6$$

$$32) 11x + 7y = -5$$

$$y = -\frac{11}{7}x - \frac{5}{7}$$

$$34) x + 2y = 2$$

$$y = -\frac{1}{2}x + 1$$

$$36) 3x + 5y = -20$$

$$y = -\frac{3}{5}x - 4$$

$$38) 2x - 5y = 30$$

$$y = \frac{2}{5}x - 6$$

$$40) 8x + 3y = 0$$

$$y = -\frac{8}{3}x$$

$$42) 9x - 7y = -42$$

$$y = \frac{9}{7}x + 6$$

$$43) x + 3y = -8$$

$$y = -\frac{1}{3}x - \frac{8}{3}$$

$$45) 14x - 5y = -30$$

$$y = \frac{14}{5}x + 6$$

$$47) 5x + 3y = -18$$

$$y = -\frac{5}{3}x - 6$$

$$49) 3x - 5y = 25$$

$$y = \frac{3}{5}x - 5$$

$$51) 5x + 4y = -8$$

$$y = -\frac{5}{4}x - 2$$

$$53) x + y = 8$$

$$y = -x + 8$$

$$55) 7x - 4y = 20$$

$$y = \frac{7}{4}x - 5$$

$$57) 2x - y = 3$$

$$y = 2x - 3$$

$$59) x + 2y = -12$$

$$y = -\frac{1}{2}x - 6$$

$$61) x = 7$$

$$x = 7$$

$$63) x - 3y = 18$$

$$y = \frac{1}{3}x - 6$$

$$44) x = 5$$

$$x = 5$$

$$46) 3x + 8y = 64$$

$$y = -\frac{3}{8}x + 8$$

$$48) 13x - 8y = 48$$

$$y = \frac{13}{8}x - 6$$

$$50) 8x + y = 6$$

$$y = -8x + 6$$

$$52) 9x + 2y = -6$$

$$y = -\frac{9}{2}x - 3$$

$$54) 2x - y = 4$$

$$y = 2x - 4$$

$$56) 2x - 3y = -13$$

$$y = \frac{2}{3}x + \frac{13}{3}$$

$$58) x - y = -7$$

$$y = x + 7$$

$$60) 15x + 7y = 49$$

$$y = -\frac{15}{7}x + 7$$

$$62) 3x - 7y = -21$$

$$y = \frac{3}{7}x + 3$$

$$64) x - 2y = -4$$

$$y = \frac{1}{2}x + 2$$

$$65) x + 2y = 4$$

$$y = -\frac{1}{2}x + 2$$

$$67) x - 9y = 12$$

$$y = \frac{1}{9}x - \frac{4}{3}$$

$$69) 2x - y = -6$$

$$y = 2x + 6$$

$$71) 5x + y = 2$$

$$y = -5x + 2$$

$$73) 4x + 5y = 15$$

$$y = -\frac{4}{5}x + 3$$

$$75) x + y = -3$$

$$y = -x - 3$$

$$77) 3x - 8y = 50$$

$$y = \frac{3}{8}x - \frac{25}{4}$$

$$79) x - 4y = -28$$

$$y = \frac{1}{4}x + 7$$

$$81) x - 4y = -4$$

$$y = \frac{1}{4}x + 1$$

$$83) x + y = 1$$

$$y = -x + 1$$

$$85) 11x + 9y = -28$$

$$y = -\frac{11}{9}x - \frac{28}{9}$$

$$66) 2x - y = -16$$

$$y = 2x + 16$$

$$68) y = -4$$

$$y = -4$$

$$70) 9x - 2y = -16$$

$$y = \frac{9}{2}x + 8$$

$$72) 7x - y = -1$$

$$y = 7x + 1$$

$$74) y = 1$$

$$y = 1$$

$$76) x - 2y = 0$$

$$y = \frac{1}{2}x$$

$$78) x + 10y = -74$$

$$y = -\frac{1}{10}x - \frac{37}{5}$$

$$80) 2x + y = 1$$

$$y = -2x + 1$$

$$82) 6x + y = 0$$

$$y = -6x$$

$$84) 8x - y = 36$$

$$y = 8x - 36$$

$$86) 13x + y = -8$$

$$y = -13x - 8$$

87) $2x - 5y = -5$

$$y = \frac{2}{5}x + 1$$

89) $5x + 2y = -12$

$$y = -\frac{5}{2}x - 6$$

91) $x + 7y = 28$

$$y = -\frac{1}{7}x + 4$$

93) $5x + 6y = -48$

$$y = -\frac{5}{6}x - 8$$

95) $2x + 3y = -6$

$$y = -\frac{2}{3}x - 2$$

97) $x + 4y = -12$

$$y = -\frac{1}{4}x - 3$$

99) $11x - 7y = -49$

$$y = \frac{11}{7}x + 7$$

88) $2x + y = 0$

$$y = -2x$$

90) $3x - y = 8$

$$y = 3x - 8$$

92) $15x + y = 7$

$$y = -15x + 7$$

94) $7x + 6y = -48$

$$y = -\frac{7}{6}x - 8$$

96) $6x - 5y = -41$

$$y = \frac{6}{5}x + \frac{41}{5}$$

98) $9x + 5y = 5$

$$y = -\frac{9}{5}x + 1$$

100) $3x - 2y = -12$

$$y = \frac{3}{2}x + 6$$

Write down slope-intercept from point-slope form:

101) $y + 4 = \frac{3}{5}(x + 5)$

$$y = \frac{3}{5}x - 1$$

103) $y - 3 = 5(x - 1)$

$$y = 5x - 2$$

105) $y + 5 = -\frac{5}{2}(x - 2)$

$$y = -\frac{5}{2}x$$

102) $y = 0$

$$y = 0$$

104) $y - 2 = \frac{2}{5}(x - 4)$

$$y = \frac{2}{5}x + \frac{2}{5}$$

106) $y + 4 = \frac{5}{4}(x + 4)$

$$y = \frac{5}{4}x + 1$$

$$107) y - 3 = -2(x - 1)$$

$$y = -2x + 5$$

$$109) y - 5 = -9(x + 1)$$

$$y = -9x - 4$$

$$111) y + 3 = 3(x - 1)$$

$$y = 3x - 6$$

$$113) y - 2 = 7(x - 1)$$

$$y = 7x - 5$$

$$115) y + 5 = -\frac{1}{2}(x - 5)$$

$$y = -\frac{1}{2}x - \frac{5}{2}$$

$$117) y = -\frac{5}{4}(x + 3)$$

$$y = -\frac{5}{4}x - \frac{15}{4}$$

$$119) y + 2 = -(x + 2)$$

$$y = -x - 4$$

$$121) y + 4 = -\frac{1}{6}(x - 2)$$

$$y = -\frac{1}{6}x - \frac{11}{3}$$

$$123) y = -\frac{1}{2}(x - 4)$$

$$y = -\frac{1}{2}x + 2$$

$$108) y - 3 = \frac{1}{2}(x + 4)$$

$$y = \frac{1}{2}x + 5$$

$$110) y + 3 = -\frac{3}{4}(x - 4)$$

$$y = -\frac{3}{4}x$$

$$112) y - 5 = -4(x + 1)$$

$$y = -4x + 1$$

$$114) y - 5 = -3(x + 2)$$

$$y = -3x - 1$$

$$116) y - 5 = -\frac{1}{5}(x + 5)$$

$$y = -\frac{1}{5}x + 4$$

$$118) y + 5 = -\frac{9}{4}(x - 4)$$

$$y = -\frac{9}{4}x + 4$$

$$120) y - 5 = \frac{8}{5}(x - 5)$$

$$y = \frac{8}{5}x - 3$$

$$122) y + 3 = x + 2$$

$$y = x - 1$$

$$124) y + 3 = -\frac{1}{2}(x + 2)$$

$$y = -\frac{1}{2}x - 4$$

$$125) y - 3 = x - 5$$

$$y = x - 2$$

$$126) y = -5(x + 1)$$

$$y = -5x - 5$$

$$127) y - 1 = -\frac{3}{2}(x + 4)$$

$$y = -\frac{3}{2}x - 5$$

$$128) y + 2 = -\frac{2}{5}(x - 5)$$

$$y = -\frac{2}{5}x$$

$$129) y - 4 = \frac{9}{4}(x - 4)$$

$$y = \frac{9}{4}x - 5$$

$$130) y = -3(x - 1)$$

$$y = -3x + 3$$

$$131) y - 5 = -\frac{10}{3}(x + 3)$$

$$y = -\frac{10}{3}x - 5$$

$$132) y - 5 = \frac{5}{4}(x - 4)$$

$$y = \frac{5}{4}x$$

$$133) y + 4 = -\frac{1}{6}(x - 1)$$

$$y = -\frac{1}{6}x - \frac{23}{6}$$

$$134) y - 3 = -\frac{8}{9}(x + 4)$$

$$y = -\frac{8}{9}x - \frac{5}{9}$$

$$135) y - 5 = x - 3$$

$$y = x + 2$$

$$136) y + 5 = -\frac{3}{4}(x - 4)$$

$$y = -\frac{3}{4}x - 2$$

$$137) y - 4 = -2(x + 3)$$

$$y = -2x - 2$$

$$138) y - 3 = -(x - 2)$$

$$y = -x + 5$$

$$139) y + 1 = -\frac{1}{4}(x - 4)$$

$$y = -\frac{1}{4}x$$

$$140) y - 4 = -\frac{1}{6}(x + 4)$$

$$y = -\frac{1}{6}x + \frac{10}{3}$$

$$141) y + 1 = -\frac{3}{4}(x + 4)$$

$$y = -\frac{3}{4}x - 4$$

$$142) y + 2 = x + 3$$

$$y = x + 1$$

$$143) y - 1 = -\frac{2}{7}(x - 5)$$

$$y = -\frac{2}{7}x + \frac{17}{7}$$

$$145) y + 5 = -\frac{2}{5}(x - 5)$$

$$y = -\frac{2}{5}x - 3$$

$$147) y + 3 = -(x + 5)$$

$$y = -x - 8$$

$$149) y + 3 = -\frac{5}{4}(x - 4)$$

$$y = -\frac{5}{4}x + 2$$

$$151) y + 4 = \frac{8}{9}(x + 5)$$

$$y = \frac{8}{9}x + \frac{4}{9}$$

$$153) y - 1 = -2(x - 1)$$

$$y = -2x + 3$$

$$155) y = -\frac{4}{5}(x - 5)$$

$$y = -\frac{4}{5}x + 4$$

$$157) y - 3 = \frac{3}{4}(x - 4)$$

$$y = \frac{3}{4}x$$

$$159) y - 2 = 2x$$

$$y = 2x + 2$$

$$144) y + 2 = -2(x - 3)$$

$$y = -2x + 4$$

$$146) y + 4 = 2(x + 1)$$

$$y = 2x - 2$$

$$148) y - 5 = \frac{3}{7}(x - 4)$$

$$y = \frac{3}{7}x + \frac{23}{7}$$

$$150) y + 3 = 2(x + 2)$$

$$y = 2x + 1$$

$$152) y - 4 = -\frac{4}{3}(x + 3)$$

$$y = -\frac{4}{3}x$$

$$154) y - 5 = 0$$

$$y = 5$$

$$156) y = -\frac{3}{4}(x + 3)$$

$$y = -\frac{3}{4}x - \frac{9}{4}$$

$$158) y + 1 = -3(x - 1)$$

$$y = -3x + 2$$

$$160) y = -\frac{5}{4}(x + 4)$$

$$y = -\frac{5}{4}x - 5$$

$$161) y - 2 = -\frac{3}{2}(x + 4)$$

$$y = -\frac{3}{2}x - 4$$

$$163) y - 5 = \frac{4}{5}(x - 5)$$

$$y = \frac{4}{5}x + 1$$

$$165) y + 4 = \frac{7}{8}(x + 4)$$

$$y = \frac{7}{8}x - \frac{1}{2}$$

$$167) y + 3 = 0$$

$$y = -3$$

$$169) y = -(x - 4)$$

$$y = -x + 4$$

$$171) y - 5 = 2(x - 1)$$

$$y = 2x + 3$$

$$173) 0 = x + 1$$

$$x = -1$$

$$175) y - 4 = -(x - 2)$$

$$y = -x + 6$$

$$177) y = -\frac{3}{2}(x + 1)$$

$$y = -\frac{3}{2}x - \frac{3}{2}$$

$$162) y + 4 = -\frac{4}{5}(x - 5)$$

$$y = -\frac{4}{5}x$$

$$164) y - 5 = -2(x + 3)$$

$$y = -2x - 1$$

$$166) y + 3 = \frac{5}{4}(x + 3)$$

$$y = \frac{5}{4}x + \frac{3}{4}$$

$$168) y + 3 = -3(x - 1)$$

$$y = -3x$$

$$170) y + 5 = 2(x + 1)$$

$$y = 2x - 3$$

$$172) y - 2 = \frac{1}{2}(x + 4)$$

$$y = \frac{1}{2}x + 4$$

$$174) y + 3 = \frac{3}{2}(x + 4)$$

$$y = \frac{3}{2}x + 3$$

$$176) y + 3 = \frac{1}{4}(x + 4)$$

$$y = \frac{1}{4}x - 2$$

$$178) y - 5 = -(x + 5)$$

$$y = -x$$

$$179) y - 4 = \frac{2}{7}(x - 3)$$

$$y = \frac{2}{7}x + \frac{22}{7}$$

$$181) y - 5 = -10(x + 1)$$

$$y = -10x - 5$$

$$183) y + 4 = \frac{4}{3}(x + 3)$$

$$y = \frac{4}{3}x$$

$$185) y - 3 = -\frac{6}{5}(x + 5)$$

$$y = -\frac{6}{5}x - 3$$

$$187) y - 2 = \frac{2}{5}(x - 5)$$

$$y = \frac{2}{5}x$$

$$189) y + 3 = -7(x - 1)$$

$$y = -7x + 4$$

$$191) y - 1 = \frac{1}{2}(x - 3)$$

$$y = \frac{1}{2}x - \frac{1}{2}$$

$$193) y - 2 = -7(x - 1)$$

$$y = -7x + 9$$

$$195) y + 2 = -\frac{3}{4}(x + 4)$$

$$y = -\frac{3}{4}x - 5$$

$$180) y + 1 = -\frac{5}{4}(x - 4)$$

$$y = -\frac{5}{4}x + 4$$

$$182) 0 = x - 5$$

$$x = 5$$

$$184) y - 3 = -\frac{1}{3}(x + 3)$$

$$y = -\frac{1}{3}x + 2$$

$$186) y + 5 = -(x - 4)$$

$$y = -x - 1$$

$$188) y - 2 = \frac{4}{7}(x - 4)$$

$$y = \frac{4}{7}x - \frac{2}{7}$$

$$190) y - 1 = 2(x - 3)$$

$$y = 2x - 5$$

$$192) 0 = x - 2$$

$$x = 2$$

$$194) y + 5 = -2(x - 3)$$

$$y = -2x + 1$$

$$196) y = \frac{5}{3}x$$

$$y = \frac{5}{3}x$$

$$197) y = \frac{1}{2}(x - 2)$$

$$y = \frac{1}{2}x - 1$$

$$199) y - 1 = -\frac{1}{2}(x - 4)$$

$$y = -\frac{1}{2}x + 3$$

Write down slope-intercept from given form:

$$201) 3x - 5y - 25 = 0$$

$$y = \frac{3}{5}x - 5$$

$$203) 0 = -3y - 2x + 9$$

$$y = -\frac{2}{3}x + 3$$

$$205) 0 = x + \frac{2}{5}y + \frac{2}{5}$$

$$y = -\frac{5}{2}x - 1$$

$$207) 12 + 5x + 4y = 0$$

$$y = -\frac{5}{4}x - 3$$

$$209) -8 = -2y + \frac{2}{3}x$$

$$y = \frac{1}{3}x + 4$$

$$211) -x = y + 5$$

$$y = -x - 5$$

$$213) 0 = 1 - \frac{1}{5}y - \frac{1}{5}x$$

$$y = -x + 5$$

$$198) y - 5 = -(x + 3)$$

$$y = -x + 2$$

$$200) y + 5 = -\frac{4}{3}(x + 1)$$

$$y = -\frac{4}{3}x - \frac{19}{3}$$

$$202) -4x = -5 + y$$

$$y = -4x + 5$$

$$204) 5x + 8 = 2y$$

$$y = \frac{5}{2}x + 4$$

$$206) -2x - 1 = y$$

$$y = -2x - 1$$

$$208) 0 = -1 + x$$

$$x = 1$$

$$210) -4 - 4y = x$$

$$y = -\frac{1}{4}x - 1$$

$$212) -6x - 21 - 3y = 0$$

$$y = -2x - 7$$

$$214) -\frac{5}{4}x = 5 - y$$

$$y = \frac{5}{4}x + 5$$

$$215) 2y = x$$

$$y = \frac{1}{2}x$$

$$217) 6 = 4x - 2y$$

$$y = 2x - 3$$

$$219) 2 - y + \frac{1}{2}x = 0$$

$$y = \frac{1}{2}x + 2$$

$$221) -12 = -4y + x$$

$$y = \frac{1}{4}x + 3$$

$$223) -5y = 16 - 9x$$

$$y = \frac{9}{5}x - \frac{16}{5}$$

$$225) 1 - \frac{1}{4}x + \frac{7}{20}y = 0$$

$$y = \frac{5}{7}x - \frac{20}{7}$$

$$227) 3 + 2x = -y$$

$$y = -2x - 3$$

$$229) -5x - 4y = 0$$

$$y = -\frac{5}{4}x$$

$$231) 0 = y - 6x - 4$$

$$y = 6x + 4$$

$$233) 3 - x = -y$$

$$y = x - 3$$

$$216) 10 = x - 5y$$

$$y = \frac{1}{5}x - 2$$

$$218) 4 + 7x = -2y$$

$$y = -\frac{7}{2}x - 2$$

$$220) -5y = 17 - 2x$$

$$y = \frac{2}{5}x - \frac{17}{5}$$

$$222) \frac{1}{6}y = -x - \frac{1}{3}$$

$$y = -6x - 2$$

$$224) -7x = 3y + 26$$

$$y = -\frac{7}{3}x - \frac{26}{3}$$

$$226) y - x = -1$$

$$y = x - 1$$

$$228) -1 - y = 0$$

$$y = -1$$

$$230) -3x + 1 = -y$$

$$y = 3x - 1$$

$$232) -8 - 4y = -3x$$

$$y = \frac{3}{4}x - 2$$

$$234) 0 = -10 - 2y + x$$

$$y = \frac{1}{2}x - 5$$

$$235) 4y - 3x = -20$$

$$y = \frac{3}{4}x - 5$$

$$237) 10 - 7y = -5x$$

$$y = \frac{5}{7}x + \frac{10}{7}$$

$$239) -y + 4 + x = 0$$

$$y = x + 4$$

$$241) 0 = 5x - 6 - y$$

$$y = 5x - 6$$

$$243) -4 = y$$

$$y = -4$$

$$245) 3x - 9 = 0$$

$$x = 3$$

$$247) -16 + 4y = 6x$$

$$y = \frac{3}{2}x + 4$$

$$249) -6 = -2y + 5x$$

$$y = \frac{5}{2}x + 3$$

$$251) -5x - 10 = 7y$$

$$y = -\frac{5}{7}x - \frac{10}{7}$$

$$253) 0 = -y - 3 - 3x$$

$$y = -3x - 3$$

$$255) 0 = -15 - 3y - 10x$$

$$y = -\frac{10}{3}x - 5$$

$$236) -2 + x = 0$$

$$x = 2$$

$$238) 3 + x = -y$$

$$y = -x - 3$$

$$240) 4x = -15 + 5y$$

$$y = \frac{4}{5}x + 3$$

$$242) -5 + 5y = -x$$

$$y = -\frac{1}{5}x + 1$$

$$244) -2 - y = x$$

$$y = -x - 2$$

$$246) 2x = -5 + 3y$$

$$y = \frac{2}{3}x + \frac{5}{3}$$

$$248) 15 - 7x = 5y$$

$$y = -\frac{7}{5}x + 3$$

$$250) -6 = -3x + 2y$$

$$y = \frac{3}{2}x - 3$$

$$252) 12 - 5x = 4y$$

$$y = -\frac{5}{4}x + 3$$

$$254) 1 = 3x - 4y$$

$$y = \frac{3}{4}x - \frac{1}{4}$$

$$256) \frac{6}{5}x = 3 + 3y$$

$$y = \frac{2}{5}x - 1$$

$$257) -2 = x - y$$

$$y = x + 2$$

$$259) -y - x + 3 = 0$$

$$y = -x + 3$$

$$261) -1 - y = 3x$$

$$y = -3x - 1$$

$$263) -6 + x = 2y$$

$$y = \frac{1}{2}x - 3$$

$$265) 6 - 6y + 9x = 0$$

$$y = \frac{3}{2}x + 1$$

$$267) -6y = -x + 29$$

$$y = \frac{1}{6}x - \frac{29}{6}$$

$$269) 8 = x - 4y$$

$$y = \frac{1}{4}x - 2$$

$$271) -2y + x = 4$$

$$y = \frac{1}{2}x - 2$$

$$273) -1 + \frac{3}{10}x = \frac{1}{5}y$$

$$y = \frac{3}{2}x - 5$$

$$275) 15x = -3y - 6$$

$$y = -5x - 2$$

$$277) 2 = -y - \frac{5}{3}x$$

$$y = -\frac{5}{3}x - 2$$

$$258) 2x = -6 - 4y$$

$$y = -\frac{1}{2}x - \frac{3}{2}$$

$$260) 0 = -30 + 3x + 9y$$

$$y = -\frac{1}{3}x + \frac{10}{3}$$

$$262) -2x - y - 2 = 0$$

$$y = -2x - 2$$

$$264) -2y = -6 - 3x$$

$$y = \frac{3}{2}x + 3$$

$$266) -y - x = 1$$

$$y = -x - 1$$

$$268) -9x + 60 = 21y$$

$$y = -\frac{3}{7}x + \frac{20}{7}$$

$$270) 20 + 4y = -7x$$

$$y = -\frac{7}{4}x - 5$$

$$272) -2 - x = 0$$

$$x = -2$$

$$274) -5y = -25 - x$$

$$y = \frac{1}{5}x + 5$$

$$276) 0 = -x - 5$$

$$x = -5$$

$$278) -8x + 5 - y = 0$$

$$y = -8x + 5$$

$$279) 0 = y + 5$$

$$y = -5$$

$$281) -y + 5 = 9x$$

$$y = -9x + 5$$

$$283) -7y - 5x - 8 = 0$$

$$y = -\frac{5}{7}x - \frac{8}{7}$$

$$285) y - 5 = 2x$$

$$y = 2x + 5$$

$$287) 6 - 10y = -4x$$

$$y = \frac{2}{5}x + \frac{3}{5}$$

$$289) 4 = y$$

$$y = 4$$

$$291) -y - \frac{25}{2} = -\frac{5}{2}x$$

$$y = \frac{5}{2}x - \frac{25}{2}$$

$$293) x = -y + 1$$

$$y = -x + 1$$

$$295) \frac{3}{2}y = x - \frac{15}{2}$$

$$y = \frac{2}{3}x - 5$$

$$297) 4y = -3x$$

$$y = -\frac{3}{4}x$$

$$299) 3 - 8x = y$$

$$y = -8x + 3$$

$$280) 4x - 2y = -6$$

$$y = 2x + 3$$

$$282) 5x - 3 - 7y = 0$$

$$y = \frac{5}{7}x - \frac{3}{7}$$

$$284) 0 = -2 - 3x - 2y$$

$$y = -\frac{3}{2}x - 1$$

$$286) 1 - 4x - y = 0$$

$$y = -4x + 1$$

$$288) 3y = -2x + 5$$

$$y = -\frac{2}{3}x + \frac{5}{3}$$

$$290) -2y + 5x = 0$$

$$y = \frac{5}{2}x$$

$$292) -7x - 3 = y$$

$$y = -7x - 3$$

$$294) 3x + 24 + 6y = 0$$

$$y = -\frac{1}{2}x - 4$$

$$296) -y + x = 2$$

$$y = x - 2$$

$$298) 7y = 8 - 4x$$

$$y = -\frac{4}{7}x + \frac{8}{7}$$

$$300) 3y - 9 + 5x = 0$$

$$y = -\frac{5}{3}x + 3$$

Write down slope-intercept from given point and slope:

301) through: (3, 5), slope = $\frac{5}{3}$ $y = \frac{5}{3}x$

302) through: (3, -5), slope = $-\frac{7}{3}$ $y = -\frac{7}{3}x + 2$

303) through: (4, -5), slope = $-\frac{3}{2}$ $y = -\frac{3}{2}x + 1$

304) through: (-2, -1), slope = -2
 $y = -2x - 5$

305) through: (-5, 4), slope = $-\frac{1}{5}$ $y = -\frac{1}{5}x + 3$

306) through: (3, -3), slope = $\frac{2}{3}$ $y = \frac{2}{3}x - 5$

307) through: (0, -5), slope = -6
 $y = -6x - 5$

308) through: (-2, 4), slope = 0
 $y = 4$

309) through: (4, 4), slope = undefined
 $x = 4$

310) through: (-1, -3), slope = 2
 $y = 2x - 1$

311) through: (-2, -1), slope = undefined
 $x = -2$

312) through: (3, 0), slope = $-\frac{1}{3}$ $y = -\frac{1}{3}x + 1$

313) through: (1, -3), slope = undefined
 $x = 1$

314) through: (2, 0), slope = undefined
 $x = 2$

315) through: (-1, 4), slope = $-\frac{2}{3}$ $y = -\frac{2}{3}x + \frac{10}{3}$

316) through: (-2, 4), slope = -2
 $y = -2x$

317) through: (4, 5), slope = $\frac{3}{2}$ $y = \frac{3}{2}x - 1$

318) through: (3, -3), slope = undefined
 $x = 3$

319) through: (-3, -2), slope = $\frac{7}{3}$ $y = \frac{7}{3}x + 5$

320) through: (4, 5), slope = $\frac{9}{4}$ $y = \frac{9}{4}x - 4$

321) through: (5, 5), slope = $\frac{5}{9}$ $y = \frac{5}{9}x + \frac{20}{9}$

322) through: (-3, 5), slope = $-\frac{2}{3}$ $y = -\frac{2}{3}x + 3$

323) through: (2, 3), slope = $\frac{3}{2}$ $y = \frac{3}{2}x$

324) through: (-3, -5), slope = -4
 $y = -4x - 17$

325) through: (-1, 4), slope = undefined
 $x = -1$

326) through: (-4, 2), slope = $-\frac{1}{4}$ $y = -\frac{1}{4}x + 1$

327) through: (0, 2), slope = -2
 $y = -2x + 2$

328) through: (-1, 0), slope = $-\frac{1}{4}$
 $y = -\frac{1}{4}x - \frac{1}{4}$

329) through: (5, 1), slope = $-\frac{1}{5}$
 $y = -\frac{1}{5}x + 2$

330) through: (-2, -1), slope = $\frac{3}{2}$
 $y = \frac{3}{2}x + 2$

331) through: (3, -1), slope = -3
 $y = -3x + 8$

332) through: (4, -2), slope = $\frac{1}{2}$
 $y = \frac{1}{2}x - 4$

333) through: (-1, -5), slope = 0
 $y = -5$

334) through: (4, -2), slope = $-\frac{3}{4}$
 $y = -\frac{3}{4}x + 1$

335) through: (1, 1), slope = 0
 $y = 1$

336) through: (4, -1), slope = -1
 $y = -x + 3$

337) through: (-4, 4), slope = $-\frac{7}{4}$
 $y = -\frac{7}{4}x - 3$

338) through: (-2, -1), slope = $-\frac{2}{3}$
 $y = -\frac{2}{3}x - \frac{7}{3}$

339) through: (3, -2), slope = $-\frac{7}{3}$
 $y = -\frac{7}{3}x + 5$

340) through: (-1, 0), slope = -1
 $y = -x - 1$

341) through: (-5, -2), slope = $\frac{1}{4}$
 $y = \frac{1}{4}x - \frac{3}{4}$

342) through: (-3, 4), slope = $-\frac{9}{7}$
 $y = -\frac{9}{7}x + \frac{1}{7}$

343) through: (5, -1), slope = $-\frac{4}{5}$
 $y = -\frac{4}{5}x + 3$

344) through: (-3, 4), slope = $-\frac{1}{3}$
 $y = -\frac{1}{3}x + 3$

345) through: (1, 0), slope = 0
 $y = 0$

346) through: (-1, -2), slope = 5
 $y = 5x + 3$

347) through: (-3, -2), slope = $-\frac{1}{8}$
 $y = -\frac{1}{8}x - \frac{19}{8}$

348) through: (-2, 1), slope = $-\frac{5}{2}$
 $y = -\frac{5}{2}x - 4$

349) through: (2, -2), slope = $\frac{1}{2}$
 $y = \frac{1}{2}x - 3$

350) through: (5, 4), slope = $\frac{1}{5}$
 $y = \frac{1}{5}x + 3$

351) through: (-2, 3), slope = $\frac{1}{2}$
 $y = \frac{1}{2}x + 4$

352) through: (-3, -2), slope = $\frac{1}{3}$
 $y = \frac{1}{3}x - 1$

353) through: $(-3, 0)$, slope = $-\frac{1}{3}$ $y = -\frac{1}{3}x - 1$

354) through: $(-1, -4)$, slope = 3
 $y = 3x - 1$

355) through: $(-1, -1)$, slope = 1
 $y = x$

356) through: $(1, -4)$, slope = $\frac{1}{5}$ $y = \frac{1}{5}x - \frac{21}{5}$

357) through: $(1, 4)$, slope = 3
 $y = 3x + 1$

358) through: $(3, 1)$, slope = 4
 $y = 4x - 11$

359) through: $(1, 4)$, slope = 1
 $y = x + 3$

360) through: $(4, 3)$, slope = 4
 $y = 4x - 13$

361) through: $(5, 0)$, slope = $\frac{1}{6}$ $y = \frac{1}{6}x - \frac{5}{6}$

362) through: $(4, 4)$, slope = $-\frac{1}{4}$ $y = -\frac{1}{4}x + 5$

363) through: $(-4, 4)$, slope = $-\frac{1}{2}$ $y = -\frac{1}{2}x + 2$

364) through: $(1, 5)$, slope = 2
 $y = 2x + 3$

365) through: $(5, 2)$, slope = $\frac{4}{5}$ $y = \frac{4}{5}x - 2$

366) through: $(-2, -2)$, slope = $\frac{5}{2}$ $y = \frac{5}{2}x + 3$

367) through: $(5, 5)$, slope = $\frac{1}{5}$ $y = \frac{1}{5}x + 4$

368) through: $(-5, -4)$, slope = $\frac{9}{5}$ $y = \frac{9}{5}x + 5$

369) through: $(1, -5)$, slope = -2
 $y = -2x - 3$

370) through: $(1, 3)$, slope = 2
 $y = 2x + 1$

371) through: $(-5, -2)$, slope = 0
 $y = -2$

372) through: $(-1, -1)$, slope = $\frac{1}{5}$ $y = \frac{1}{5}x - \frac{4}{5}$

373) through: $(-1, -5)$, slope = 3
 $y = 3x - 2$

374) through: $(1, 1)$, slope = 5
 $y = 5x - 4$

375) through: $(-3, 2)$, slope = $\frac{3}{2}$ $y = \frac{3}{2}x + \frac{13}{2}$

376) through: $(0, -2)$, slope = $-\frac{2}{3}$ $y = -\frac{2}{3}x - 2$

377) through: $(-5, 4)$, slope = $-\frac{2}{5}$ $y = -\frac{2}{5}x + 2$

378) through: $(-5, 2)$, slope = $-\frac{2}{5}$ $y = -\frac{2}{5}x$

379) through: $(3, 4)$, slope = $\frac{5}{3}$ $y = \frac{5}{3}x - 1$

380) through: $(4, 1)$, slope = $-\frac{3}{4}$ $y = -\frac{3}{4}x + 4$

381) through: (5, 5), slope = $\frac{3}{8}$ $y = \frac{3}{8}x + \frac{25}{8}$

382) through: (4, -3), slope = -2
 $y = -2x + 5$

383) through: (5, -5), slope = $-\frac{4}{5}$ $y = -\frac{4}{5}x - 1$

384) through: (1, 0), slope = 1
 $y = x - 1$

385) through: (-5, -1), slope = $-\frac{4}{5}$ $y = -\frac{4}{5}x - 5$

386) through: (3, 2), slope = 0
 $y = 2$

387) through: (-4, 3), slope = $-\frac{1}{2}$ $y = -\frac{1}{2}x + 1$

388) through: (-5, 2), slope = undefined
 $x = -5$

389) through: (-4, -2), slope = $\frac{3}{2}$ $y = \frac{3}{2}x + 4$

390) through: (-3, 1), slope = $-\frac{5}{3}$ $y = -\frac{5}{3}x - 4$

391) through: (4, -5), slope = -3
 $y = -3x + 7$

392) through: (5, 3), slope = $\frac{1}{5}$ $y = \frac{1}{5}x + 2$

393) through: (2, -3), slope = $-\frac{7}{2}$ $y = -\frac{7}{2}x + 4$

394) through: (5, -4), slope = $-\frac{9}{5}$ $y = -\frac{9}{5}x + 5$

395) through: (5, -2), slope = $\frac{1}{5}$ $y = \frac{1}{5}x - 3$

396) through: (1, -1), slope = -2
 $y = -2x + 1$

397) through: (3, 5), slope = $\frac{8}{3}$ $y = \frac{8}{3}x - 3$

398) through: (2, -1), slope = 1
 $y = x - 3$

399) through: (-4, 2), slope = $\frac{3}{4}$ $y = \frac{3}{4}x + 5$

400) through: (-2, 2), slope = $\frac{4}{3}$ $y = \frac{4}{3}x + \frac{14}{3}$

Write down slope-intercept from given points:

401) through: (3, 0) and (-1, 2) $y = -\frac{1}{2}x + \frac{3}{2}$

402) through: (2, -3) and (-2, 2) $y = -\frac{5}{4}x - \frac{1}{2}$

403) through: (-4, -3) and (0, 1)
 $y = x + 1$

404) through: (0, 0) and (5, 2) $y = \frac{2}{5}x$

405) through: (-3, 1) and (-1, 5)
 $y = 2x + 7$

406) through: (5, 2) and (0, -4) $y = \frac{6}{5}x - 4$

407) through: (0, -5) and (2, 4) $y = \frac{9}{2}x - 5$

408) through: (1, 0) and (5, -1) $y = -\frac{1}{4}x + \frac{1}{4}$

409) through: (0, -3) and (-3, 0)

$$y = -x - 3$$

410) through: (-1, 1) and (-2, 5)

$$y = -4x - 3$$

411) through: (-4, -4) and (-3, -4)

$$y = -4$$

412) through: (-2, 4) and (0, -2)

$$y = -3x - 2$$

413) through: (3, 0) and (0, -5) $y = \frac{5}{3}x - 5$

414) through: (0, 5) and (5, 1) $y = -\frac{4}{5}x + 5$

415) through: (0, 3) and (2, -3)

$$y = -3x + 3$$

416) through: (0, 5) and (2, -5)

$$y = -5x + 5$$

417) through: (0, -5) and (-4, 1) $y = -\frac{3}{2}x - 5$

418) through: (4, -4) and (-2, 3) $y = -\frac{7}{6}x + \frac{2}{3}$

419) through: (2, 3) and (-4, 0) $y = \frac{1}{2}x + 2$

420) through: (1, -1) and (-5, 3) $y = -\frac{2}{3}x - \frac{1}{3}$

421) through: (3, -2) and (-1, 0) $y = -\frac{1}{2}x - \frac{1}{2}$

422) through: (-4, -4) and (0, 1) $y = \frac{5}{4}x + 1$

423) through: (-2, -3) and (5, -3)

$$y = -3$$

424) through: (0, 2) and (3, 1) $y = -\frac{1}{3}x + 2$

425) through: (5, 3) and (2, -1) $y = \frac{4}{3}x - \frac{11}{3}$

426) through: (-3, 4) and (0, 0) $y = -\frac{4}{3}x$

427) through: (1, 0) and (-3, -4)

$$y = x - 1$$

428) through: (0, 5) and (-1, -2)

$$y = 7x + 5$$

429) through: (0, -3) and (-2, 1)

$$y = -2x - 3$$

430) through: (-2, -5) and (0, 0) $y = \frac{5}{2}x$

431) through: (-2, -5) and (0, 2) $y = \frac{7}{2}x + 2$

432) through: (4, 2) and (4, -5)

$$x = 4$$

433) through: (-2, 4) and (0, -5) $y = -\frac{9}{2}x - 5$

434) through: (-1, 2) and (0, 1)

$$y = -x + 1$$

435) through: (4, 5) and (2, 2) $y = \frac{3}{2}x - 1$

436) through: (-2, 0) and (-1, 1)

$$y = x + 2$$

437) through: (0, -1) and (3, -2) $y = -\frac{1}{3}x - 1$

438) through: (-4, 3) and (0, -3) $y = -\frac{3}{2}x - 3$

439) through: (-5, -2) and (-4, 1)

$$y = 3x + 13$$

440) through: (2, 3) and (-2, -3) $y = \frac{3}{2}x$

441) through: (-2, 1) and (-2, -1)

$$x = -2$$

442) through: (3, -2) and (4, -1)

$$y = x - 5$$

443) through: (1, -3) and (-4, 2)

$$y = -x - 2$$

445) through: (1, 5) and (-3, -1) $y = \frac{3}{2}x + \frac{7}{2}$

447) through: (4, 5) and (-1, -1) $y = \frac{6}{5}x + \frac{1}{5}$

449) through: (2, 0) and (0, 5) $y = -\frac{5}{2}x + 5$

451) through: (0, 3) and (3, 2) $y = -\frac{1}{3}x + 3$

453) through: (0, 1) and (-4, 3) $y = -\frac{1}{2}x + 1$

455) through: (-3, 0) and (-1, 5) $y = \frac{5}{2}x + \frac{15}{2}$

457) through: (1, -2) and (4, 2) $y = \frac{4}{3}x - \frac{10}{3}$

459) through: (5, -1) and (-3, 0) $y = -\frac{1}{8}x - \frac{3}{8}$

461) through: (0, 0) and (-4, 5) $y = -\frac{5}{4}x$

463) through: (0, 1) and (-1, 5)

$$y = -4x + 1$$

465) through: (-5, -2) and (-2, 5) $y = \frac{7}{3}x + \frac{29}{3}$

467) through: (0, 1) and (1, -2)

$$y = -3x + 1$$

469) through: (0, 0) and (5, 5)

$$y = x$$

471) through: (4, 0) and (3, -3)

$$y = 3x - 12$$

473) through: (0, 3) and (2, -5)

$$y = -4x + 3$$

475) through: (-1, -3) and (2, -4) $y = -\frac{1}{3}x - \frac{10}{3}$

477) through: (0, 5) and (-5, 4) $y = \frac{1}{5}x + 5$

444) through: (-5, 4) and (-3, 0)

$$y = -2x - 6$$

446) through: (0, -2) and (2, -3) $y = -\frac{1}{2}x - 2$

448) through: (-2, -4) and (0, -3) $y = \frac{1}{2}x - 3$

450) through: (-2, 0) and (-4, 4)

$$y = -2x - 4$$

452) through: (0, 4) and (4, -2) $y = -\frac{3}{2}x + 4$

454) through: (4, 5) and (2, -4) $y = \frac{9}{2}x - 13$

456) through: (0, -4) and (0, -2)

$$x = 0$$

458) through: (3, 1) and (0, -3) $y = \frac{4}{3}x - 3$

460) through: (-1, 1) and (1, -3)

$$y = -2x - 1$$

462) through: (1, 0) and (-5, -2) $y = \frac{1}{3}x - \frac{1}{3}$

464) through: (-3, 0) and (1, 5) $y = \frac{5}{4}x + \frac{15}{4}$

466) through: (3, 5) and (-4, 2) $y = \frac{3}{7}x + \frac{26}{7}$

468) through: (0, 3) and (3, -4) $y = -\frac{7}{3}x + 3$

470) through: (2, 3) and (0, -5)

$$y = 4x - 5$$

472) through: (3, -4) and (-2, 5) $y = -\frac{9}{5}x + \frac{7}{5}$

474) through: (1, -5) and (0, 2)

$$y = -7x + 2$$

476) through: (0, 3) and (1, 1)

$$y = -2x + 3$$

478) through: (1, -3) and (3, 5)

$$y = 4x - 7$$

479) through: (5, 5) and (0, -2) $y = \frac{7}{5}x - 2$

480) through: (-1, 0) and (-4, 0)
 $y = 0$

481) through: (-1, -4) and (0, 5)
 $y = 9x + 5$

482) through: (2, 2) and (2, 5)
 $x = 2$

483) through: (4, -3) and (5, -5)
 $y = -2x + 5$

484) through: (2, -4) and (-3, 4) $y = -\frac{8}{5}x - \frac{4}{5}$

485) through: (-2, 4) and (2, -3) $y = -\frac{7}{4}x + \frac{1}{2}$

486) through: (1, -1) and (5, 4) $y = \frac{5}{4}x - \frac{9}{4}$

487) through: (4, -5) and (0, 2) $y = -\frac{7}{4}x + 2$

488) through: (0, -2) and (-1, 4)
 $y = -6x - 2$

489) through: (0, -1) and (1, 4)
 $y = 5x - 1$

490) through: (1, 4) and (0, 3)
 $y = x + 3$

491) through: (4, 2) and (2, 4)
 $y = -x + 6$

492) through: (5, 0) and (5, -4)
 $x = 5$

493) through: (-1, 2) and (4, -2) $y = -\frac{4}{5}x + \frac{6}{5}$

494) through: (2, 1) and (4, 2) $y = \frac{1}{2}x$

495) through: (0, 2) and (1, 1)
 $y = -x + 2$

496) through: (2, -3) and (-3, 2)
 $y = -x - 1$

497) through: (2, -3) and (-3, -4) $y = \frac{1}{5}x - \frac{17}{5}$

498) through: (5, -2) and (3, -3) $y = \frac{1}{2}x - \frac{9}{2}$

499) through: (-4, -3) and (0, -4) $y = -\frac{1}{4}x - 4$

500) through: (-4, 2) and (-1, -5) $y = -\frac{7}{3}x - \frac{22}{3}$

Write down slope-intercept from given point and parallel linear functions:

501) through: (3, -4), parallel to $y = 3$
 $y = -4$

502) through: (5, -5), parallel to $y = -6x - 2$
 $y = -6x + 25$

503) through: (-2, -2), parallel to $y = -\frac{1}{2}x - 2$ $y = -\frac{1}{2}x - 3$

504) through: (5, 5), parallel to $y = x + 4$
 $y = x$

505) through: (1, 3), parallel to $y = -2x - 2$
 $y = -2x + 5$

506) through: (-4, 0), parallel to $y = -\frac{1}{2}x - 4$ $y = -\frac{1}{2}x - 2$

507) through: (-4, 1), parallel to $y = \frac{1}{3}x - 5$ $y = \frac{1}{3}x + \frac{7}{3}$

508) through: (-4, 4), parallel to $y = -\frac{3}{4}x + 5$ $y = -\frac{3}{4}x + 1$

509) through: (3, 2), parallel to $y = \frac{7}{3}x + 5$ $y = \frac{7}{3}x - 5$

510) through: (-5, -2), parallel to $y = \frac{1}{5}x + 5$ $y = \frac{1}{5}x - 1$

511) through: $(-3, 0)$, parallel to $y = 3$

$$y = 0$$

513) through: $(4, 2)$, parallel to $x = 0$

$$x = 4$$

515) through: $(4, -4)$, parallel to $y = -x + 1$

$$y = -x$$

517) through: $(-3, -4)$, parallel to $y = -\frac{1}{3}x + 1$ $y = -\frac{1}{3}x + 1$

512) through: $(-4, -1)$, parallel to $x = 0$

$$x = -4$$

514) through: $(5, 5)$, parallel to $y = \frac{6}{5}x + 4$ $y = \frac{6}{5}x - 1$

516) through: $(3, -2)$, parallel to $x = 0$

$$x = 3$$

519) through: $(-2, 4)$, parallel to $y = -\frac{1}{2}x + 1$ $y = -\frac{1}{2}x + 1$

518) through: $(3, -5)$, parallel to $y = -\frac{5}{3}x + 4$ $y = -\frac{5}{3}x$

521) through: $(0, 4)$, parallel to $y = \frac{1}{3}x - 3$ $y = \frac{1}{3}x + 4$

520) through: $(-3, 1)$, parallel to $y = \frac{1}{3}x - 2$ $y = \frac{1}{3}x + 2$

523) through: $(-4, 0)$, parallel to $y = -\frac{3}{7}x - 4$ $y = -\frac{3}{7}x - 4$

524) through: $(5, 4)$, parallel to $y = \frac{8}{5}x + 3$ $y = \frac{8}{5}x - 4$

525) through: $(5, -3)$, parallel to $y = -\frac{2}{9}x - 1$ $y = -\frac{2}{9}x - 1$

526) through: $(1, -2)$, parallel to $y = -7x - 1$ $y = -7x + 5$

527) through: $(2, -3)$, parallel to $y = -2x + 2$

$$y = -2x + 1$$

528) through: $(-5, 5)$, parallel to $y = -\frac{9}{5}x + 3$ $y = -\frac{9}{5}x - 4$

529) through: $(-4, -1)$, parallel to $y = x - 2$

$$y = x + 3$$

530) through: $(-1, 1)$, parallel to $y = -5x + 1$

$$y = -5x - 4$$

531) through: $(1, 5)$, parallel to $y = -5x$

$$y = -5x + 10$$

532) through: $(1, -1)$, parallel to $x = 0$

$$x = 1$$

533) through: $(-4, 3)$, parallel to $y = -2x + 5$

$$y = -2x - 5$$

534) through: $(-2, 2)$, parallel to $y = x + 5$

$$y = x + 4$$

535) through: $(-2, -2)$, parallel to $x = 0$

$$x = -2$$

536) through: $(-4, 0)$, parallel to $y = \frac{1}{2}x - 4$ $y = \frac{1}{2}x + 2$

537) through: $(3, -2)$, parallel to $y = -\frac{2}{3}x + 5$ $y = -\frac{2}{3}x + 5$

538) through: $(3, 0)$, parallel to $y = -x - 2$

$$y = -x + 3$$

539) through: $(-1, 4)$, parallel to $y = \frac{4}{3}x - 1$ $y = \frac{4}{3}x + \frac{16}{3}$ 540) through: $(-1, 1)$, parallel to $y = -\frac{4}{5}x$ $y = -\frac{4}{5}x + \frac{1}{5}$

541) through: $(4, 1)$, parallel to $y = -3$
 $y = 1$

542) through: $(5, 1)$, parallel to $y = -\frac{4}{5}x - 4$ $y = -\frac{4}{5}x + 5$

543) through: $(-3, -2)$, parallel to $y = \frac{2}{3}x + 5$ $y = \frac{2}{3}x$

544) through: $(4, -4)$, parallel to $y = -\frac{3}{2}x - 3$ $y = -\frac{3}{2}x + 2$

545) through: $(1, 5)$, parallel to $y = 8x - 5$
 $y = 8x - 3$

546) through: $(2, 1)$, parallel to $x = 0$
 $x = 2$

547) through: $(3, 5)$, parallel to $y = 2x$
 $y = 2x - 1$

548) through: $(-2, -2)$, parallel to $y = -\frac{3}{2}x - 1$ $y = -\frac{3}{2}x - 5$

549) through: $(2, -3)$, parallel to $y = -x + 2$
 $y = -x - 1$

550) through: $(-1, -3)$, parallel to $y = \frac{2}{3}x + 4$ $y = \frac{2}{3}x - \frac{7}{3}$

551) through: $(-1, -1)$, parallel to $y = -x - 5$
 $y = -x - 2$

552) through: $(-3, -3)$, parallel to $y = \frac{2}{3}x + 3$ $y = \frac{2}{3}x - 1$

553) through: $(-5, -5)$, parallel to $y = \frac{6}{5}x - 3$ $y = \frac{6}{5}x + 1$ 554) through: $(-1, -1)$, parallel to $y = 6x - 1$
 $y = 6x + 5$

555) through: $(-4, -4)$, parallel to $y = \frac{1}{4}x + 5$ $y = \frac{1}{4}x - 3$ 556) through: $(2, 3)$, parallel to $y = \frac{3}{2}x - 5$ $y = \frac{3}{2}x$

557) through: $(4, 0)$, parallel to $y = -x + 2$
 $y = -x + 4$

558) through: $(-5, -5)$, parallel to $y = \frac{8}{5}x - 4$ $y = \frac{8}{5}x + 3$

559) through: $(2, 0)$, parallel to $y = -\frac{3}{2}x - 2$ $y = -\frac{3}{2}x + 5$ 560) through: $(-4, -3)$, parallel to $y = \frac{3}{2}x - 3$ $y = \frac{3}{2}x + 3$

561) through: $(3, 0)$, parallel to $y = -\frac{2}{3}x$ $y = -\frac{2}{3}x + 2$ 562) through: $(3, 4)$, parallel to $y = \frac{1}{3}x - 5$ $y = \frac{1}{3}x + 3$

563) through: $(-5, 5)$, parallel to $y = -\frac{2}{5}x - 1$ $y = -\frac{2}{5}x - 5$ 564) through: $(-5, 2)$, parallel to $y = -\frac{7}{5}x + 2$ $y = -\frac{7}{5}x - 5$

565) through: (1, -2), parallel to $y = \frac{3}{2}x + 5$ $y = \frac{3}{2}x - \frac{7}{2}$ 566) through: (-5, 3), parallel to $y = -\frac{3}{5}x + 1$ $y = -\frac{3}{5}x + 4$

567) through: (2, 4), parallel to $y = 4x$
 $y = 4x - 4$

568) through: (-2, -3), parallel to $y = \frac{1}{5}x + 1$ $y = \frac{1}{5}x - \frac{13}{5}$

569) through: (1, 5), parallel to $y = 9x$
 $y = 9x - 4$

570) through: (2, 2), parallel to $y = \frac{3}{2}x + 4$ $y = \frac{3}{2}x - 1$

571) through: (1, -3), parallel to $y = -7x - 3$
 $y = -7x + 4$

572) through: (-3, 4), parallel to $y = -7x + 1$
 $y = -7x - 17$

573) through: (-1, -2), parallel to $y = -2x + 1$
 $y = -2x - 4$

574) through: (4, 1), parallel to $y = -2x - 5$
 $y = -2x + 9$

575) through: (-3, -2), parallel to $y = -\frac{1}{3}x - 5$ $y = -\frac{1}{3}x - 3$ 576) through: (1, -2), parallel to $y = -2x + 2$
 $y = -2x$

577) through: (5, 0), parallel to $y = \frac{2}{5}x - 4$ $y = \frac{2}{5}x - 2$ 578) through: (-5, -3), parallel to $x = 0$
 $x = -5$

579) through: (5, -2), parallel to $y = \frac{1}{3}x + 2$ $y = \frac{1}{3}x - \frac{11}{3}$ 580) through: (-1, -5), parallel to $y = 9x + 5$
 $y = 9x + 4$

581) through: (1, -3), parallel to $y = x + 2$
 $y = x - 4$

582) through: (5, 1), parallel to $y = \frac{1}{5}x + 4$ $y = \frac{1}{5}x + 1$

583) through: (5, -4), parallel to $y = -\frac{3}{5}x + 4$ $y = -\frac{3}{5}x - 1$ 584) through: (3, 1), parallel to $y = x + 3$
 $y = x - 2$

585) through: (-2, -5), parallel to $y = 4x + 1$
 $y = 4x + 3$

586) through: (1, -2), parallel to $y = -6x + 2$
 $y = -6x + 4$

587) through: (0, -2), parallel to $y = -\frac{5}{2}x + 4$ $y = -\frac{5}{2}x - 2$ 588) through: (-1, -2), parallel to $y = x - 5$
 $y = x - 1$

589) through: (1, 1), parallel to $y = -2x - 5$
 $y = -2x + 3$

590) through: (4, -1), parallel to $y = -\frac{5}{4}x - 4$ $y = -\frac{5}{4}x + 4$

591) through: (-3, -1), parallel to $y = 2x + 2$
 $y = 2x + 5$

592) through: $(-5, 0)$, parallel to $y = \frac{3}{5}x + 5$ $y = \frac{3}{5}x + 3$ 593) through: $(-3, -4)$, parallel to $y = -7x - 3$
 $y = -7x - 25$

594) through: $(-2, 4)$, parallel to $y = -\frac{3}{2}x$ $y = -\frac{3}{2}x + 1$ 595) through: $(-2, -4)$, parallel to $y = \frac{7}{2}x$ $y = \frac{7}{2}x + 3$

596) through: $(5, -3)$, parallel to $y = -\frac{2}{5}x - 3$ $y = -\frac{2}{5}x$ 597) through: $(3, -5)$, parallel to $y = -\frac{10}{3}x - 5$ $y = -\frac{10}{3}x + 5$

598) through: $(2, 3)$, parallel to $y = 3x + 2$
 $y = 3x - 3$

599) through: $(4, 4)$, parallel to $y = 3x + 1$
 $y = 3x - 8$

600) through: $(3, 2)$, parallel to $y = -5$
 $y = 2$

Write down slope-intercept from given point and perpendicular function:

601) through: $(3, -3)$, perp. to $y = \frac{3}{4}x - 2$ $y = -\frac{4}{3}x + 1$ 602) through: $(-1, -5)$, perp. to $y = -x - 2$
 $y = x - 4$

603) through: $(1, 2)$, perp. to $y = -\frac{1}{6}x + 4$
 $y = 6x - 4$

604) through: $(5, -3)$, perp. to $y = x - 1$
 $y = -x + 2$

605) through: $(2, -1)$, perp. to $y = \frac{1}{3}x$
 $y = -3x + 5$

606) through: $(-3, -1)$, perp. to $y = -5$
 $x = -3$

607) through: $(-4, -1)$, perp. to $y = -\frac{6}{5}x - 4$ $y = \frac{5}{6}x + \frac{7}{3}$ 608) through: $(-3, 0)$, perp. to $y = -x + 1$
 $y = x + 3$

609) through: $(-1, 3)$, perp. to $y = -x + 2$
 $y = x + 4$

610) through: $(3, 4)$, perp. to $y = -\frac{3}{7}x - 4$ $y = \frac{7}{3}x - 3$

611) through: $(4, -1)$, perp. to $y = -2x - 3$ $y = \frac{1}{2}x - 3$

612) through: $(5, 4)$, perp. to $y = -\frac{8}{3}x - 4$ $y = \frac{3}{8}x + \frac{17}{8}$

613) through: $(2, -5)$, perp. to $y = \frac{2}{7}x - 3$ $y = -\frac{7}{2}x + 2$

614) through: $(-4, -5)$, perp. to $y = -4x - 2$ $y = \frac{1}{4}x - 4$

615) through: $(-2, 2)$, perp. to $y = 2x - 1$ $y = -\frac{1}{2}x + 1$

616) through: $(1, -5)$, perp. to $y = \frac{1}{7}x + 5$
 $y = -7x + 2$

617) through: (5, -2), perp. to $y = \frac{5}{3}x + 1$ $y = -\frac{3}{5}x + 1$ 618) through: (-1, 5), perp. to $y = \frac{1}{6}x - 5$

$$y = -6x - 1$$

619) through: (2, 2), perp. to $y = x + 4$
 $y = -x + 4$

620) through: (-4, 3), perp. to $y = \frac{4}{5}x + 2$ $y = -\frac{5}{4}x - 2$

621) through: (5, -4), perp. to $y = \frac{5}{4}x + 5$ $y = -\frac{4}{5}x$

622) through: (-5, -5), perp. to $y = -\frac{5}{3}x$ $y = \frac{3}{5}x - 2$

623) through: (5, -1), perp. to $y = \frac{5}{2}x + 5$ $y = -\frac{2}{5}x + 1$ 624) through: (1, 5), perp. to $y = \frac{1}{4}x - 3$

$$y = -4x + 9$$

625) through: (2, 4), perp. to $y = -\frac{2}{7}x + 5$ $y = \frac{7}{2}x - 3$ 626) through: (-1, 4), perp. to $y = \frac{5}{2}x - 5$ $y = -\frac{2}{5}x + \frac{18}{5}$

627) through: (5, 4), perp. to $y = -4x - 3$ $y = \frac{1}{4}x + \frac{11}{4}$

628) through: (-1, 0), perp. to $y = -\frac{1}{4}x + 2$

$$y = 4x + 4$$

629) through: (5, -5), perp. to $y = \frac{5}{3}x + 2$ $y = -\frac{3}{5}x - 2$ 630) through: (4, -4), perp. to $y = \frac{2}{3}x - 5$ $y = -\frac{3}{2}x + 2$

631) through: (5, 5), perp. to $y = -\frac{5}{4}x - 4$ $y = \frac{4}{5}x + 1$ 632) through: (5, -3), perp. to $y = \frac{5}{6}x + 1$ $y = -\frac{6}{5}x + 3$

633) through: (-5, 2), perp. to $y = \frac{1}{7}x + 1$

634) through: (4, -5), perp. to $y = 2x - 1$ $y = -\frac{1}{2}x - 3$

$$y = -7x - 33$$

635) through: (-2, 2), perp. to $y = -\frac{3}{2}x - 5$ $y = \frac{2}{3}x + \frac{10}{3}$ 636) through: (5, -2), perp. to $y = \frac{5}{7}x$ $y = -\frac{7}{5}x + 5$

637) through: (1, -1), perp. to $y = x - 4$
 $y = -x$

638) through: (-2, -1), perp. to $y = -\frac{1}{3}x + 2$

$$y = 3x + 5$$

639) through: (1, -3), perp. to $y = \frac{1}{5}x$

640) through: (1, 4), perp. to $x = 0$
 $y = 4$

$$y = -5x + 2$$

641) through: (2, -4), perp. to $y = \frac{1}{3}x$

$$y = -3x + 2$$

643) through: (-4, 5), perp. to $y = -2$

$$x = -4$$

645) through: (-2, -1), perp. to $y = x$

$$y = -x - 3$$

647) through: (-5, -2), perp. to $x = 0$

$$y = -2$$

649) through: (-4, -4), perp. to $y = -x + 4$

$$y = x$$

651) through: (5, 4), perp. to $y = -\frac{8}{7}x + 5$ $y = \frac{7}{8}x - \frac{3}{8}$

653) through: (5, -5), perp. to $y = 0$

$$x = 5$$

655) through: (-2, -2), perp. to $y = -\frac{1}{3}x + 4$

$$y = 3x + 4$$

657) through: (3, -3), perp. to $y = \frac{3}{5}x - 2$ $y = -\frac{5}{3}x + 2$

659) through: (3, 5), perp. to $y = -x + 5$

$$y = x + 2$$

661) through: (4, -4), perp. to $y = \frac{4}{5}x + 5$ $y = -\frac{5}{4}x + 1$

663) through: (-5, -5), perp. to $x = 0$

$$y = -5$$

642) through: (1, 1), perp. to $y = -\frac{1}{3}x - 4$

$$y = 3x - 2$$

644) through: (1, -3), perp. to $y = \frac{1}{4}x + 1$

$$y = -4x + 1$$

646) through: (2, -3), perp. to $y = \frac{2}{5}x + 4$ $y = -\frac{5}{2}x + 2$

648) through: (2, 3), perp. to $y = -\frac{3}{5}x + 4$ $y = \frac{5}{3}x - \frac{1}{3}$

650) through: (-3, 1), perp. to $y = -\frac{3}{2}x + 5$ $y = \frac{2}{3}x + 3$

652) through: (-4, 4), perp. to $y = \frac{4}{3}x - 4$ $y = -\frac{3}{4}x + 1$

654) through: (1, -2), perp. to $y = -\frac{1}{3}x + 5$

$$y = 3x - 5$$

656) through: (2, 2), perp. to $y = -\frac{1}{2}x + 4$

$$y = 2x - 2$$

658) through: (-3, 1), perp. to $y = -\frac{3}{4}x$ $y = \frac{4}{3}x + 5$

660) through: (-1, 4), perp. to $y = \frac{1}{8}x$

$$y = -8x - 4$$

662) through: (-1, 5), perp. to $y = \frac{3}{7}x + 3$ $y = -\frac{7}{3}x + \frac{8}{3}$

664) through: (4, 3), perp. to $y = -\frac{4}{5}x + 2$ $y = \frac{5}{4}x - 2$

- 665) through: $(-2, 2)$, perp. to $y = \frac{2}{3}x - 2$ $y = -\frac{3}{2}x - 1$ 666) through: $(-1, -4)$, perp. to $y = -\frac{1}{7}x$
 $y = 7x + 3$
- 667) through: $(-1, 1)$, perp. to $x = 0$ 668) through: $(5, 0)$, perp. to $y = -5x - 1$ $y = \frac{1}{5}x - 1$
 $y = 1$
- 669) through: $(-4, 0)$, perp. to $y = 8x - 5$ $y = -\frac{1}{8}x - \frac{1}{2}$ 670) through: $(2, -3)$, perp. to $y = -2x - 1$ $y = \frac{1}{2}x - 4$
- 671) through: $(-1, 4)$, perp. to $y = \frac{1}{3}x - 1$ 672) through: $(1, 2)$, perp. to $y = -\frac{1}{5}x - 4$
 $y = -3x + 1$ $y = 5x - 3$
- 673) through: $(-5, 3)$, perp. to $y = -\frac{5}{2}x + 1$ $y = \frac{2}{5}x + 5$ 674) through: $(4, 5)$, perp. to $y = -\frac{2}{3}x - 2$ $y = \frac{3}{2}x - 1$
- 675) through: $(4, 3)$, perp. to $x = 0$ 676) through: $(-2, 1)$, perp. to $y = -2$
 $y = 3$ $x = -2$
- 677) through: $(-5, -2)$, perp. to $y = -\frac{5}{7}x + 1$ $y = \frac{7}{5}x + 5$ 678) through: $(-4, -4)$, perp. to $y = -3x - 1$ $y = \frac{1}{3}x - \frac{8}{3}$
- 679) through: $(-2, 3)$, perp. to $y = -x + 5$ 680) through: $(-5, 2)$, perp. to $y = 5x + 5$ $y = -\frac{1}{5}x + 1$
 $y = x + 5$
- 681) through: $(4, -2)$, perp. to $y = \frac{4}{5}x + 4$ $y = -\frac{5}{4}x + 3$ 682) through: $(3, -3)$, perp. to $y = 0$
 $x = 3$
- 683) through: $(2, 4)$, perp. to $y = -\frac{2}{9}x$ $y = \frac{9}{2}x - 5$ 684) through: $(4, 1)$, perp. to $y = 9x$ $y = -\frac{1}{9}x + \frac{13}{9}$
- 685) through: $(-4, -2)$, perp. to $y = 2x$ $y = -\frac{1}{2}x - 4$ 686) through: $(-2, 3)$, perp. to $y = x + 2$
 $y = -x + 1$
- 687) through: $(2, -5)$, perp. to $y = \frac{2}{5}x - 3$ $y = -\frac{5}{2}x$ 688) through: $(1, 4)$, perp. to $y = -\frac{1}{5}x - 4$
 $y = 5x - 1$
- 689) through: $(-2, 5)$, perp. to $y = 2x - 4$ $y = -\frac{1}{2}x + 4$ 690) through: $(-1, 3)$, perp. to $y = \frac{1}{3}x - 3$
 $y = -3x$
- 691) through: $(1, -5)$, perp. to $y = \frac{1}{8}x + 5$ 692) through: $(-4, 1)$, perp. to $y = \frac{5}{4}x - 2$ $y = -\frac{4}{5}x - \frac{11}{5}$
 $y = -8x + 3$

693) through: $(-5, -4)$, perp. to $y = -\frac{5}{2}x - 2$ $y = \frac{2}{5}x - 2$ 694) through: $(1, -2)$, perp. to $y = \frac{1}{6}x + 1$

$$y = -6x + 4$$

695) through: $(4, 2)$, perp. to $y = -3$

$$x = 4$$

696) through: $(-5, 3)$, perp. to $y = -3$

$$x = -5$$

697) through: $(-4, 3)$, perp. to $y = 4x$ $y = -\frac{1}{4}x + 2$

698) through: $(3, 4)$, perp. to $y = -\frac{3}{8}x + 5$ $y = \frac{8}{3}x - 4$

699) through: $(-1, -3)$, perp. to $y = -\frac{1}{4}x + 2$

$$y = 4x + 1$$

700) through: $(-5, 3)$, perp. to $y = x - 5$

$$y = -x - 2$$