

Division of radicals - Monomial divides binomial without variables

**Divide radicals:**

$$1) \frac{4}{-2 - \sqrt{2}}$$

$$2) \frac{5}{4 + \sqrt{5}}$$

$$3) \frac{5}{-2 + \sqrt{5}}$$

$$4) \frac{5}{-3 - \sqrt{5}}$$

$$5) \frac{4}{3 + \sqrt{3}}$$

$$6) \frac{2}{2 + \sqrt{2}}$$

$$7) \frac{5}{-5 + \sqrt{2}}$$

$$8) \frac{2}{3 - \sqrt{5}}$$

$$9) \frac{3}{3 - \sqrt{3}}$$

$$10) -\frac{3}{-3 + \sqrt{5}}$$

11)  $\frac{5}{3-\sqrt{3}}$

12)  $\frac{4}{4-\sqrt{5}}$

13)  $\frac{\sqrt{3}}{\sqrt{2}+\sqrt{5}}$

14)  $\frac{\sqrt{2}}{-5-\sqrt{2}}$

15)  $\frac{\sqrt{2}}{5+\sqrt{2}}$

16)  $\frac{\sqrt{3}}{3-\sqrt{2}}$

17)  $\frac{\sqrt{5}}{-4+\sqrt{3}}$

18)  $\frac{\sqrt{5}}{-2+\sqrt{5}}$

19)  $\frac{5}{-1+\sqrt{3}}$

20)  $\frac{3}{-5-\sqrt{2}}$

$$21) \frac{4}{-5 + \sqrt{3}}$$

$$22) \frac{5}{2 - \sqrt{2}}$$

$$23) -\frac{4}{3 + \sqrt{5}}$$

$$24) \frac{4}{\sqrt{5} + \sqrt{2}}$$

$$25) \frac{4}{-4 - \sqrt{3}}$$

$$26) \frac{2}{2 - \sqrt{5}}$$

$$27) -\frac{3}{5 + \sqrt{2}}$$

$$28) \frac{2}{3 + \sqrt{3}}$$

$$29) \frac{3}{4 - \sqrt{5}}$$

$$30) \frac{5}{\sqrt{3} + \sqrt{5}}$$

$$31) \frac{2}{-3 + \sqrt{2}}$$

$$32) \frac{5}{5 - \sqrt{3}}$$

$$33) \frac{3}{-3 - \sqrt{3}}$$

$$34) \frac{4}{5 - \sqrt{2}}$$

$$35) \frac{3}{\sqrt{3} + \sqrt{5}}$$

$$36) \frac{4}{4 - \sqrt{3}}$$

$$37) \frac{4}{-4 + \sqrt{2}}$$

$$38) \frac{5}{2 - \sqrt{5}}$$

$$39) \frac{2}{-5 - \sqrt{2}}$$

$$40) \frac{\sqrt{3}}{\sqrt{2} + \sqrt{3}}$$

41)  $\frac{\sqrt{5}}{\sqrt{5}-\sqrt{3}}$

42)  $\frac{\sqrt{3}}{\sqrt{5}+\sqrt{3}}$

43)  $\frac{\sqrt{3}}{-2+\sqrt{2}}$

44)  $\frac{2}{\sqrt{2}-5}$

45)  $\frac{4}{5+\sqrt{3}}$

46)  $\frac{2}{4-\sqrt{2}}$

47)  $\frac{\sqrt{2}}{-2-\sqrt{3}}$

48)  $\frac{5}{\sqrt{3}-\sqrt{2}}$

49)  $-\frac{3}{2-\sqrt{5}}$

50)  $\frac{3}{-3+\sqrt{5}}$

$$51) -\frac{1}{4+\sqrt{5}}$$

$$52) \frac{2}{\sqrt{3}+2}$$

$$53) \frac{5}{3-\sqrt{2}}$$

$$54) \frac{3}{\sqrt{5}+3}$$

$$55) \frac{3}{5-\sqrt{2}}$$

$$56) \frac{2}{3+\sqrt{2}}$$

$$57) -\frac{3}{3-\sqrt{2}}$$

$$58) \frac{5}{5-\sqrt{5}}$$

$$59) \frac{\sqrt{3}}{4+\sqrt{3}}$$

$$60) \frac{\sqrt{5}}{3+\sqrt{3}}$$

$$61) \frac{\sqrt{2}}{\sqrt{3+4}}$$

$$62) \frac{\sqrt{5}}{\sqrt{3+2}}$$

$$63) \frac{\sqrt{2}}{-3-\sqrt{3}}$$

$$64) \frac{5}{\sqrt{3+4}}$$

$$65) \frac{2}{5-\sqrt{3}}$$

$$66) \frac{2}{-4-\sqrt{3}}$$

$$67) \frac{\sqrt{5}}{-3-\sqrt{3}}$$

$$68) \frac{5}{\sqrt{5+3}}$$

$$69) -\frac{5}{2-\sqrt{5}}$$

$$70) -\frac{4}{4-\sqrt{2}}$$

$$71) \frac{4}{\sqrt{2}-2}$$

$$72) \frac{3}{-1+\sqrt{2}}$$

$$73) \frac{5}{5-\sqrt{2}}$$

$$74) -\frac{1}{4+\sqrt{3}}$$

$$75) \frac{5}{\sqrt{5}+\sqrt{3}}$$

$$76) -\frac{1}{\sqrt{5}-\sqrt{2}}$$

$$77) \frac{4}{-1-\sqrt{5}}$$

$$78) \frac{4}{2+\sqrt{3}}$$

$$79) \frac{3}{2-\sqrt{5}}$$

$$80) \frac{3}{4-\sqrt{2}}$$

$$81) -\frac{3}{4-\sqrt{2}}$$

$$82) \frac{\sqrt{5}}{\sqrt{5}-\sqrt{2}}$$

$$83) \frac{\sqrt{2}}{2-\sqrt{3}}$$

$$84) \frac{\sqrt{5}}{4-\sqrt{2}}$$

$$85) \frac{\sqrt{2}}{-4+\sqrt{3}}$$

$$86) \frac{3}{5+\sqrt{5}}$$

$$87) \frac{4}{\sqrt{5}+\sqrt{3}}$$

$$88) -\frac{2}{3+\sqrt{2}}$$

$$89) -\frac{3}{-1-\sqrt{5}}$$

$$90) \frac{3}{\sqrt{2}+3}$$

$$91) \frac{2}{4 + \sqrt{3}}$$

$$92) \frac{4}{2 + \sqrt{5}}$$

$$93) -\frac{5}{2 + \sqrt{3}}$$

$$94) -\frac{4}{4 - \sqrt{5}}$$

$$95) \frac{\sqrt{5}}{-5 - \sqrt{3}}$$

$$96) \frac{\sqrt{5}}{-2 + \sqrt{3}}$$

$$97) \frac{\sqrt{2}}{\sqrt{3} - \sqrt{2}}$$

$$98) \frac{\sqrt{2}}{5 + \sqrt{3}}$$

$$99) \frac{4}{-5 - \sqrt{2}}$$

$$100) \frac{\sqrt{3}}{-3 - \sqrt{2}}$$

$$101) \frac{2}{3 + \sqrt{6}}$$

$$102) \frac{3}{5 - \sqrt{6}}$$

$$103) \frac{5}{2 + \sqrt{7}}$$

$$104) \frac{3}{-6 - \sqrt{5}}$$

$$105) \frac{2}{2 + \sqrt{5}}$$

$$106) -\frac{4}{3 - \sqrt{3}}$$

$$107) \frac{8}{2 - \sqrt{5}}$$

$$108) \frac{6}{-3 - \sqrt{5}}$$

$$109) \frac{2}{6 - \sqrt{7}}$$

$$110) \frac{6}{\sqrt{2} - 3}$$

$$111) \frac{5}{7 - \sqrt{5}}$$

$$112) \frac{8}{5 - \sqrt{6}}$$

$$113) \frac{8}{6 - \sqrt{5}}$$

$$114) -\frac{3}{6 + \sqrt{5}}$$

$$115) \frac{8}{3 - \sqrt{7}}$$

$$116) \frac{7}{8 - \sqrt{3}}$$

$$117) \frac{7}{4 - \sqrt{2}}$$

$$118) \frac{8}{4 - \sqrt{7}}$$

$$119) \frac{7}{5 + \sqrt{6}}$$

$$120) -\frac{2}{-4 - \sqrt{2}}$$

121)  $\frac{6}{7 - \sqrt{5}}$

122)  $\frac{6}{2 + \sqrt{7}}$

123)  $-\frac{6}{\sqrt{5} - 8}$

124)  $\frac{\sqrt{7}}{-3 - \sqrt{3}}$

125)  $\frac{\sqrt{7}}{8 - \sqrt{6}}$

126)  $\frac{\sqrt{3}}{6 + \sqrt{7}}$

127)  $\frac{\sqrt{6}}{3 - \sqrt{6}}$

128)  $\frac{3}{\sqrt{6} + 4}$

129)  $\frac{4}{-8 - \sqrt{3}}$

130)  $\frac{\sqrt{2}}{\sqrt{2} - \sqrt{6}}$

$$131) \frac{\sqrt{5}}{3 - \sqrt{2}}$$

$$132) \frac{3}{3 - \sqrt{3}}$$

$$133) -\frac{1}{-4 + \sqrt{2}}$$

$$134) \frac{2}{2 - \sqrt{6}}$$

$$135) -\frac{2}{8 - \sqrt{2}}$$

$$136) \frac{7}{2 - \sqrt{7}}$$

$$137) \frac{2}{4 + \sqrt{2}}$$

$$138) \frac{4}{4 + \sqrt{5}}$$

$$139) \frac{5}{5 - \sqrt{6}}$$

$$140) \frac{8}{-8 + \sqrt{6}}$$

$$141) \frac{6}{-6 + \sqrt{5}}$$

$$142) \frac{7}{4 + \sqrt{6}}$$

$$143) \frac{8}{4 + \sqrt{6}}$$

$$144) \frac{7}{-1 + \sqrt{6}}$$

$$145) \frac{8}{-6 - \sqrt{3}}$$

$$146) \frac{3}{\sqrt{6} + \sqrt{5}}$$

$$147) \frac{6}{-8 - \sqrt{5}}$$

$$148) \frac{6}{2 + \sqrt{2}}$$

$$149) \frac{3}{5 - \sqrt{2}}$$

$$150) \frac{6}{-4 + \sqrt{5}}$$

$$151) \frac{7}{2 - \sqrt{2}}$$

$$152) \frac{\sqrt{2}}{5 + \sqrt{2}}$$

$$153) \frac{\sqrt{2}}{\sqrt{6} - \sqrt{3}}$$

$$154) \frac{6}{7 + \sqrt{2}}$$

$$155) \frac{\sqrt{5}}{-7 + \sqrt{5}}$$

$$156) \frac{\sqrt{6}}{-6 + \sqrt{6}}$$

$$157) \frac{\sqrt{3}}{6 + \sqrt{3}}$$

$$158) \frac{\sqrt{3}}{7 + \sqrt{6}}$$

$$159) -\frac{6}{2 + \sqrt{6}}$$

$$160) \frac{3}{2 - \sqrt{2}}$$

$$161) \frac{3}{6 + \sqrt{2}}$$

$$162) -\frac{7}{2 + \sqrt{6}}$$

$$163) \frac{2}{6 - \sqrt{3}}$$

$$164) \frac{2}{-6 + \sqrt{5}}$$

$$165) \frac{3}{8 - \sqrt{5}}$$

$$166) -\frac{5}{\sqrt{3} - \sqrt{2}}$$

$$167) \frac{3}{8 - \sqrt{2}}$$

$$168) \frac{7}{-6 + \sqrt{2}}$$

$$169) \frac{2}{\sqrt{3} + 3}$$

$$170) \frac{4}{-3 + \sqrt{7}}$$

$$171) \frac{8}{-6 + \sqrt{6}}$$

$$172) \frac{8}{\sqrt{2} + 6}$$

$$173) \frac{7}{7 - \sqrt{5}}$$

$$174) \frac{8}{-1 - \sqrt{5}}$$

$$175) \frac{8}{3 + \sqrt{6}}$$

$$176) \frac{7}{2 + \sqrt{5}}$$

$$177) -\frac{2}{2 + \sqrt{2}}$$

$$178) \frac{6}{2 + \sqrt{6}}$$

$$179) \frac{\sqrt{5}}{-3 - \sqrt{5}}$$

$$180) \frac{\sqrt{2}}{-8 + \sqrt{2}}$$

$$181) \frac{\sqrt{3}}{8 - \sqrt{7}}$$

$$182) \frac{\sqrt{3}}{3 + \sqrt{2}}$$

$$183) \frac{4}{4 + \sqrt{2}}$$

$$184) \frac{\sqrt{3}}{-4 + \sqrt{5}}$$

$$185) \frac{\sqrt{5}}{-2 - \sqrt{7}}$$

$$186) \frac{4}{\sqrt{6} + \sqrt{2}}$$

$$187) \frac{4}{7 - \sqrt{5}}$$

$$188) \frac{5}{-5 + \sqrt{5}}$$

$$189) \frac{7}{-2 - \sqrt{6}}$$

$$190) \frac{3}{6 + \sqrt{6}}$$

$$191) \frac{2}{2 - \sqrt{7}}$$

$$192) \frac{2}{\sqrt{2} - \sqrt{5}}$$

$$193) -\frac{4}{2 - \sqrt{6}}$$

$$194) \frac{5}{8 - \sqrt{5}}$$

$$195) \frac{3}{\sqrt{6} - \sqrt{2}}$$

$$196) \frac{6}{6 - \sqrt{3}}$$

$$197) \frac{8}{\sqrt{3} - \sqrt{2}}$$

$$198) \frac{4}{3 + \sqrt{3}}$$

$$199) \frac{2}{8 - \sqrt{7}}$$

$$200) \frac{8}{-1 - \sqrt{6}}$$

$$201) \frac{8}{-8 - \sqrt{5}}$$

$$202) \frac{8}{-3 - \sqrt{7}}$$

$$203) -\frac{5}{2 - 5\sqrt{3}}$$

$$204) \frac{7}{5 + 7\sqrt{7}}$$

$$205) \frac{6}{\sqrt{6} + \sqrt{5}}$$

$$206) \frac{\sqrt{7}}{\sqrt{3} + \sqrt{6}}$$

$$207) \frac{\sqrt{6}}{6 + \sqrt{7}}$$

$$208) \frac{7}{2\sqrt{7} - \sqrt{3}}$$

$$209) \frac{\sqrt{3}}{7 - 4\sqrt{2}}$$

$$210) \frac{3\sqrt{5}}{\sqrt{3} - \sqrt{2}}$$

$$211) -\frac{2}{8\sqrt{2} - 8\sqrt{7}}$$

$$212) -\frac{7\sqrt{2}}{7 - \sqrt{2}}$$

$$213) \frac{5\sqrt{2}}{6 + 8\sqrt{5}}$$

$$214) \frac{4}{7 + 7\sqrt{5}}$$

$$215) \frac{3}{5 + \sqrt{3}}$$

$$216) -\frac{7}{8 + \sqrt{6}}$$

$$217) \frac{3}{6\sqrt{7} + 7}$$

$$218) \frac{3}{3\sqrt{7} + \sqrt{5}}$$

$$219) \frac{3}{4 + 5\sqrt{3}}$$

$$220) \frac{2}{-1 + \sqrt{3}}$$

$$221) \frac{2}{8 - \sqrt{7}}$$

$$222) \frac{7}{6\sqrt{6} - \sqrt{3}}$$

$$223) -\frac{7}{\sqrt{7} - \sqrt{6}}$$

$$224) -\frac{5}{5 - \sqrt{5}}$$

$$225) \frac{2}{5 + 3\sqrt{2}}$$

$$226) \frac{2}{2 + \sqrt{3}}$$

$$227) \frac{7}{4\sqrt{6} + \sqrt{5}}$$

$$228) \frac{2}{8 + \sqrt{3}}$$

$$229) \frac{7}{-3 + \sqrt{2}}$$

$$230) \frac{8}{5 - 8\sqrt{5}}$$

$$231) \frac{6}{-4 + 2\sqrt{5}}$$

$$232) \frac{8}{2 + \sqrt{2}}$$

$$233) -\frac{8}{\sqrt{2} + \sqrt{6}}$$

$$234) -\frac{3}{2\sqrt{6} - 7\sqrt{7}}$$

$$235) \frac{7}{\sqrt{3} + 6\sqrt{2}}$$

$$236) -\frac{7\sqrt{2}}{7 - \sqrt{7}}$$

$$237) \frac{\sqrt{2}}{7 - 5\sqrt{3}}$$

$$238) \frac{\sqrt{3}}{7 + 6\sqrt{6}}$$

$$239) \frac{2\sqrt{6}}{-1 - \sqrt{2}}$$

$$240) \frac{7}{8\sqrt{7} - \sqrt{5}}$$

$$241) \frac{8\sqrt{2}}{8 + 5\sqrt{6}}$$

$$242) \frac{4}{-3 - \sqrt{5}}$$

$$243) \frac{5}{\sqrt{5} - 5}$$

$$244) \frac{6\sqrt{3}}{4 - 7\sqrt{3}}$$

$$245) \frac{4}{6\sqrt{5} - 7}$$

$$246) \frac{5\sqrt{6}}{-6 + \sqrt{2}}$$

$$247) \frac{4}{-8 + 2\sqrt{3}}$$

$$248) -\frac{3}{4\sqrt{7} + \sqrt{2}}$$

$$249) -\frac{5}{8 - 6\sqrt{5}}$$

$$250) \frac{3}{\sqrt{2} - \sqrt{6}}$$

$$251) \frac{7}{\sqrt{2+5}}$$

$$252) \frac{2}{-5-8\sqrt{3}}$$

$$253) \frac{3}{3+7\sqrt{7}}$$

$$254) \frac{2}{\sqrt{6}-2\sqrt{2}}$$

$$255) \frac{7}{2\sqrt{3}+5\sqrt{5}}$$

$$256) \frac{4}{4+6\sqrt{6}}$$

$$257) \frac{2}{8-\sqrt{6}}$$

$$258) \frac{2}{5-\sqrt{6}}$$

$$259) \frac{2}{6+7\sqrt{5}}$$

$$260) \frac{8}{4-2\sqrt{5}}$$

$$261) -\frac{5}{-5 - 2\sqrt{5}}$$

$$262) \frac{8}{-8 + 4\sqrt{5}}$$

$$263) \frac{7}{2 - 5\sqrt{6}}$$

$$264) \frac{7}{-8 - \sqrt{3}}$$

$$265) \frac{8}{4\sqrt{3} - \sqrt{5}}$$

$$266) -\frac{5}{\sqrt{7} - \sqrt{3}}$$

$$267) \frac{8}{\sqrt{7} + \sqrt{5}}$$

$$268) \frac{\sqrt{2}}{\sqrt{6} - \sqrt{7}}$$

$$269) \frac{\sqrt{5}}{-7 - 3\sqrt{7}}$$

$$270) \frac{\sqrt{5}}{\sqrt{6} + 5}$$

$$271) \frac{\sqrt{5}}{2 - \sqrt{6}}$$

$$272) \frac{4\sqrt{7}}{5 - \sqrt{6}}$$

$$273) \frac{5\sqrt{5}}{5 - 4\sqrt{6}}$$

$$274) \frac{5}{2 - 8\sqrt{7}}$$

$$275) \frac{5}{8 + \sqrt{7}}$$

$$276) \frac{4}{\sqrt{5} - 5\sqrt{3}}$$

$$277) \frac{4}{8 - \sqrt{6}}$$

$$278) \frac{5}{7 - 3\sqrt{6}}$$

$$279) \frac{3}{\sqrt{3} + 6\sqrt{5}}$$

$$280) \frac{4}{5\sqrt{7} - 3\sqrt{2}}$$

$$281) -\frac{1}{\sqrt{7}-4\sqrt{6}}$$

$$282) \frac{3}{4-\sqrt{6}}$$

$$283) \frac{3}{3\sqrt{3}-6\sqrt{6}}$$

$$284) \frac{2}{7+7\sqrt{6}}$$

$$285) \frac{8}{6-4\sqrt{2}}$$

$$286) \frac{2}{-7-\sqrt{2}}$$

$$287) \frac{5}{-4-\sqrt{2}}$$

$$288) -\frac{8}{-4-\sqrt{2}}$$

$$289) \frac{2}{4+\sqrt{7}}$$

$$290) \frac{5}{\sqrt{7}-\sqrt{2}}$$

$$291) \frac{8}{-6 + 8\sqrt{7}}$$

$$292) -\frac{5}{4\sqrt{2} + \sqrt{6}}$$

$$293) -\frac{4}{-2 + 3\sqrt{7}}$$

$$294) \frac{3}{4 + 5\sqrt{6}}$$

$$295) \frac{8}{\sqrt{3} + 3\sqrt{5}}$$

$$296) -\frac{1}{5\sqrt{3} + \sqrt{7}}$$

$$297) \frac{8}{\sqrt{6} + 8\sqrt{2}}$$

$$298) \frac{\sqrt{6}}{7 - \sqrt{7}}$$

$$299) \frac{7}{8 + 2\sqrt{6}}$$

$$300) \frac{\sqrt{3}}{8 - 6\sqrt{6}}$$

$$301) \frac{7\sqrt{3}}{-3 + \sqrt{7}}$$

$$302) \frac{6\sqrt{7}}{9\sqrt{2} + 10}$$

$$303) \frac{5\sqrt{6}}{4 + 12\sqrt{2}}$$

$$304) \frac{3}{4\sqrt{2} - \sqrt{3}}$$

$$305) \frac{7\sqrt{5}}{5 - 2\sqrt{3}}$$

$$306) \frac{6}{6 + 10\sqrt{10}}$$

$$307) -\frac{6}{7 + 5\sqrt{7}}$$

$$308) \frac{7}{8 + 2\sqrt{11}}$$

$$309) \frac{9}{2\sqrt{10} - 2\sqrt{6}}$$

$$310) \frac{6}{7\sqrt{6} + 6\sqrt{3}}$$

$$311) \frac{3}{\sqrt{10} + \sqrt{2}}$$

$$312) \frac{2}{10 - \sqrt{10}}$$

$$313) \frac{10}{3 - \sqrt{10}}$$

$$314) \frac{2}{3\sqrt{10} - 3\sqrt{7}}$$

$$315) \frac{5}{12 - 3\sqrt{11}}$$

$$316) \frac{9}{2 + 11\sqrt{3}}$$

$$317) \frac{2}{6\sqrt{6} + \sqrt{3}}$$

$$318) \frac{8}{4\sqrt{7} - \sqrt{11}}$$

$$319) \frac{9}{\sqrt{2} + 12\sqrt{3}}$$

$$320) \frac{12}{3 - \sqrt{5}}$$

$$321) \frac{5}{-4 + 12\sqrt{6}}$$

$$322) \frac{2}{\sqrt{10} - \sqrt{7}}$$

$$323) \frac{2}{5 + 5\sqrt{5}}$$

$$324) \frac{4}{11 - 4\sqrt{10}}$$

$$325) \frac{4}{2 - 6\sqrt{3}}$$

$$326) \frac{11}{\sqrt{6} + \sqrt{5}}$$

$$327) \frac{4}{6\sqrt{11} - 8\sqrt{3}}$$

$$328) \frac{9}{4 - 3\sqrt{7}}$$

$$329) \frac{\sqrt{6}}{8 + 6\sqrt{3}}$$

$$330) \frac{\sqrt{6}}{\sqrt{3} + \sqrt{11}}$$

$$331) \frac{3\sqrt{11}}{\sqrt{3-11}}$$

$$332) \frac{8\sqrt{2}}{8\sqrt{3}-\sqrt{11}}$$

$$333) \frac{9\sqrt{3}}{3+3\sqrt{5}}$$

$$334) \frac{\sqrt{6}}{10-\sqrt{2}}$$

$$335) \frac{6}{\sqrt{6}+\sqrt{7}}$$

$$336) \frac{2}{10-12\sqrt{2}}$$

$$337) \frac{9}{2-4\sqrt{6}}$$

$$338) \frac{4}{-1-\sqrt{6}}$$

$$339) -\frac{9}{2+\sqrt{6}}$$

$$340) \frac{5}{4\sqrt{6}-\sqrt{2}}$$

$$341) \frac{11}{10\sqrt{2} - 3}$$

$$342) \frac{12}{4\sqrt{6} - 11\sqrt{3}}$$

$$343) \frac{9}{7 - \sqrt{5}}$$

$$344) \frac{8}{-12 + \sqrt{7}}$$

$$345) \frac{2}{\sqrt{5} - \sqrt{6}}$$

$$346) \frac{5}{2 + 4\sqrt{5}}$$

$$347) \frac{4}{\sqrt{11} + \sqrt{2}}$$

$$348) -\frac{10}{9 - 10\sqrt{5}}$$

$$349) \frac{7}{2 - 9\sqrt{2}}$$

$$350) \frac{11}{12\sqrt{3} - 5}$$

$$351) \frac{2}{11 + \sqrt{3}}$$

$$352) \frac{4}{-4 - \sqrt{7}}$$

$$353) \frac{11}{\sqrt{5} + 5\sqrt{6}}$$

$$354) -\frac{8}{8 + \sqrt{3}}$$

$$355) \frac{2}{4 + \sqrt{3}}$$

$$356) \frac{6}{11 - \sqrt{10}}$$

$$357) \frac{4}{5 - \sqrt{2}}$$

$$358) \frac{2}{\sqrt{3} + \sqrt{5}}$$

$$359) \frac{\sqrt{5}}{10 + 11\sqrt{5}}$$

$$360) \frac{\sqrt{6}}{9 - \sqrt{5}}$$

$$361) \frac{9}{2\sqrt{5} + 12\sqrt{6}}$$

$$362) \frac{8\sqrt{10}}{4 - 7\sqrt{5}}$$

$$363) \frac{10\sqrt{11}}{2 + \sqrt{11}}$$

$$364) \frac{6\sqrt{6}}{4 + 3\sqrt{5}}$$

$$365) \frac{4}{6 - 12\sqrt{10}}$$

$$366) \frac{4\sqrt{2}}{9 + 8\sqrt{6}}$$

$$367) -\frac{11}{\sqrt{5} + 3}$$

$$368) \frac{8}{11 + 8\sqrt{5}}$$

$$369) \frac{9}{2 - 8\sqrt{7}}$$

$$370) \frac{5}{-7 - 11\sqrt{6}}$$

$$371) \frac{6}{-12 - 11\sqrt{11}}$$

$$372) \frac{7}{-10 - \sqrt{5}}$$

$$373) \frac{3}{10 + 8\sqrt{10}}$$

$$374) \frac{4}{-1 - 6\sqrt{11}}$$

$$375) \frac{2}{10\sqrt{5} + \sqrt{10}}$$

$$376) \frac{2}{-4 - 6\sqrt{11}}$$

$$377) \frac{11}{\sqrt{6} + \sqrt{10}}$$

$$378) \frac{4}{\sqrt{3} + 3\sqrt{5}}$$

$$379) \frac{8}{-1 + 6\sqrt{10}}$$

$$380) \frac{4}{5 - 11\sqrt{5}}$$

$$381) \frac{10}{7 - \sqrt{10}}$$

$$382) \frac{6}{3 + \sqrt{10}}$$

$$383) \frac{2}{11 - \sqrt{6}}$$

$$384) \frac{4}{-6 - 6\sqrt{10}}$$

$$385) -\frac{11}{-8 + 4\sqrt{3}}$$

$$386) \frac{8}{10\sqrt{11} - 6\sqrt{6}}$$

$$387) \frac{7}{12 - \sqrt{3}}$$

$$388) \frac{9}{2\sqrt{3} + \sqrt{6}}$$

$$389) \frac{\sqrt{3}}{4\sqrt{5} + \sqrt{3}}$$

$$390) \frac{4}{8\sqrt{11} - \sqrt{6}}$$

$$391) \frac{2\sqrt{7}}{6-4\sqrt{6}}$$

$$392) \frac{2}{6\sqrt{7}-2}$$

$$393) \frac{7\sqrt{7}}{\sqrt{6}+10}$$

$$394) \frac{8\sqrt{5}}{-2+9\sqrt{6}}$$

$$395) \frac{10\sqrt{10}}{10-\sqrt{2}}$$

$$396) \frac{11}{8-3\sqrt{2}}$$

$$397) \frac{5\sqrt{5}}{\sqrt{7}-8\sqrt{11}}$$

$$398) -\frac{6}{3+3\sqrt{3}}$$

$$399) \frac{5}{4-\sqrt{10}}$$

$$400) \frac{8}{4+5\sqrt{6}}$$

$$401) \frac{4}{-4 - 4\sqrt{6}}$$

$$402) \frac{5}{8\sqrt{2} + 5\sqrt{6}}$$

$$403) \frac{4}{-1 + 6\sqrt{5}}$$

$$404) \frac{5}{3\sqrt{6} - 7\sqrt{7}}$$

$$405) \frac{5}{2 + 5\sqrt{2}}$$

$$406) \frac{4}{6 + 2\sqrt{5}}$$

$$407) \frac{3}{7\sqrt{3} + 2\sqrt{2}}$$

$$408) -\frac{2}{2 + 3\sqrt{5}}$$

$$409) \frac{3}{5 + 7\sqrt{6}}$$

$$410) \frac{2}{7 - 3\sqrt{7}}$$

$$411) \frac{2}{6\sqrt{7} - 7\sqrt{6}}$$

$$412) \frac{3}{-6 + 5\sqrt{3}}$$

$$413) \frac{2}{-3 + 8\sqrt{2}}$$

$$414) \frac{6}{2 + 3\sqrt{3}}$$

$$415) \frac{7}{4 - 6\sqrt{7}}$$

$$416) \frac{4}{2\sqrt{2} - 8\sqrt{5}}$$

$$417) \frac{8}{7\sqrt{2} + 2\sqrt{5}}$$

$$418) \frac{3}{4\sqrt{7} + 5}$$

$$419) -\frac{6\sqrt{5}}{-5 + 3\sqrt{6}}$$

$$420) \frac{4}{5\sqrt{7} + 2\sqrt{6}}$$

$$421) \frac{4}{6 - 4\sqrt{3}}$$

$$422) \frac{3\sqrt{6}}{-1 + 4\sqrt{6}}$$

$$423) \frac{6\sqrt{3}}{5 - 7\sqrt{7}}$$

$$424) \frac{7\sqrt{3}}{2\sqrt{7} + 5\sqrt{3}}$$

$$425) \frac{7}{-5 - 8\sqrt{3}}$$

$$426) \frac{7\sqrt{7}}{3\sqrt{3} - 3}$$

$$427) \frac{6}{-2 + 4\sqrt{2}}$$

$$428) -\frac{3}{2 + 3\sqrt{7}}$$

$$429) \frac{3\sqrt{3}}{4 + 6\sqrt{5}}$$

$$430) \frac{6}{2\sqrt{6} - 7}$$

$$431) -\frac{7}{4-4\sqrt{2}}$$

$$432) \frac{5}{5-6\sqrt{5}}$$

$$433) -\frac{2}{8\sqrt{7}+5\sqrt{2}}$$

$$434) \frac{5}{4\sqrt{7}+2}$$

$$435) \frac{5}{7\sqrt{6}-3\sqrt{2}}$$

$$436) \frac{2}{8\sqrt{3}-8}$$

$$437) \frac{3}{-7+3\sqrt{7}}$$

$$438) \frac{4}{5+3\sqrt{7}}$$

$$439) \frac{4}{2+2\sqrt{7}}$$

$$440) \frac{2}{5+8\sqrt{3}}$$

$$441) \frac{3}{-2 + 2\sqrt{6}}$$

$$442) \frac{5}{2 + 6\sqrt{5}}$$

$$443) \frac{6}{-3 + 6\sqrt{7}}$$

$$444) \frac{3}{6\sqrt{7} - 6\sqrt{6}}$$

$$445) -\frac{2}{2\sqrt{5} + 6}$$

$$446) \frac{2}{3 - 6\sqrt{6}}$$

$$447) \frac{2}{7\sqrt{3} + 3\sqrt{2}}$$

$$448) \frac{2}{5 + 5\sqrt{5}}$$

$$449) \frac{7}{4 + 5\sqrt{2}}$$

$$450) \frac{4}{6 - 4\sqrt{5}}$$

$$451) \frac{5}{-3 + 2\sqrt{7}}$$

$$452) -\frac{2\sqrt{2}}{4\sqrt{3} - 7\sqrt{2}}$$

$$453) -\frac{3\sqrt{5}}{3 - 3\sqrt{3}}$$

$$454) \frac{8\sqrt{6}}{7 + 2\sqrt{3}}$$

$$455) \frac{6\sqrt{5}}{-2 - 5\sqrt{6}}$$

$$456) \frac{2\sqrt{6}}{3\sqrt{2} - 8}$$

$$457) \frac{7}{8 - 7\sqrt{2}}$$

$$458) \frac{3\sqrt{7}}{2 + 7\sqrt{6}}$$

$$459) \frac{7}{-1 - 6\sqrt{6}}$$

$$460) \frac{2}{4 + 2\sqrt{5}}$$

$$461) \frac{5}{5 + 7\sqrt{2}}$$

$$462) \frac{6}{6 - 4\sqrt{2}}$$

$$463) \frac{6}{4 + 6\sqrt{3}}$$

$$464) -\frac{5}{5 - 4\sqrt{2}}$$

$$465) \frac{5}{6 + 5\sqrt{2}}$$

$$466) -\frac{3}{8 - 2\sqrt{7}}$$

$$467) \frac{6}{5\sqrt{5} + 8\sqrt{7}}$$

$$468) \frac{4}{6 + 3\sqrt{2}}$$

$$469) \frac{4}{3 - 6\sqrt{6}}$$

$$470) -\frac{1}{3 - 7\sqrt{2}}$$

$$471) \frac{3}{-5 + 2\sqrt{6}}$$

$$472) \frac{4}{6 - 6\sqrt{6}}$$

$$473) \frac{3}{2 + 4\sqrt{3}}$$

$$474) \frac{2}{8 + 2\sqrt{5}}$$

$$475) \frac{3}{2 - 4\sqrt{2}}$$

$$476) \frac{2}{-4 - 8\sqrt{5}}$$

$$477) \frac{2}{-2 + 5\sqrt{6}}$$

$$478) -\frac{6}{5 - 7\sqrt{5}}$$

$$479) \frac{5}{2 - 7\sqrt{5}}$$

$$480) \frac{2}{5\sqrt{7} - 7\sqrt{6}}$$

$$481) \frac{8}{7 + 2\sqrt{2}}$$

$$482) \frac{7\sqrt{6}}{-4 + 5\sqrt{5}}$$

$$483) \frac{8\sqrt{6}}{-4 - 8\sqrt{7}}$$

$$484) -\frac{5\sqrt{3}}{4 + 7\sqrt{2}}$$

$$485) \frac{2\sqrt{5}}{8 - 8\sqrt{6}}$$

$$486) \frac{5\sqrt{6}}{8\sqrt{6} + 3\sqrt{7}}$$

$$487) \frac{5\sqrt{2}}{2\sqrt{6} + 3\sqrt{5}}$$

$$488) \frac{7}{5\sqrt{5} - 6}$$

$$489) \frac{7}{6 + 3\sqrt{2}}$$

$$490) -\frac{8\sqrt{7}}{4 + 7\sqrt{6}}$$

$$491) \frac{6}{-8 + 8\sqrt{6}}$$

$$492) \frac{6}{4 - 2\sqrt{5}}$$

$$493) \frac{7}{3 - 2\sqrt{6}}$$

$$494) \frac{5}{-2 + 7\sqrt{7}}$$

$$495) \frac{6}{3 + 7\sqrt{5}}$$

$$496) -\frac{1}{3 + 8\sqrt{5}}$$

$$497) \frac{5}{5 - 7\sqrt{3}}$$

$$498) -\frac{8}{4 - 5\sqrt{6}}$$

$$499) \frac{4}{3 + 4\sqrt{3}}$$

$$500) \frac{5}{6 + 5\sqrt{5}}$$

$$501) \frac{14}{-9 - 11\sqrt{13}}$$

$$502) \frac{6}{10 + 19\sqrt{10}}$$

$$503) \frac{20}{-5 + 20\sqrt{17}}$$

$$504) \frac{6}{3 - 9\sqrt{11}}$$

$$505) \frac{20}{4 + 5\sqrt{10}}$$

$$506) \frac{10}{19 - 6\sqrt{7}}$$

$$507) \frac{11}{2 + 2\sqrt{19}}$$

$$508) \frac{11}{11\sqrt{7} - 16}$$

$$509) \frac{4}{2 + 3\sqrt{10}}$$

$$510) \frac{4}{-14 - 14\sqrt{19}}$$

$$511) \frac{6}{18 - 18\sqrt{13}}$$

$$512) \frac{4\sqrt{15}}{16 + 20\sqrt{3}}$$

$$513) \frac{7\sqrt{19}}{11 - 15\sqrt{14}}$$

$$514) -\frac{\sqrt{11}}{10 - 8\sqrt{5}}$$

$$515) \frac{20\sqrt{6}}{17 - 18\sqrt{7}}$$

$$516) -\frac{18\sqrt{5}}{5 + 15\sqrt{13}}$$

$$517) \frac{10}{2 + 11\sqrt{6}}$$

$$518) \frac{13\sqrt{10}}{18 - 12\sqrt{15}}$$

$$519) \frac{7}{3 - 13\sqrt{7}}$$

$$520) \frac{14}{-6 - 5\sqrt{6}}$$

$$521) \frac{12}{14\sqrt{6} + 20}$$

$$522) \frac{13}{4 - 2\sqrt{15}}$$

$$523) \frac{6}{16 + 12\sqrt{2}}$$

$$524) \frac{7}{7 + 16\sqrt{6}}$$

$$525) \frac{3}{17 - 10\sqrt{2}}$$

$$526) \frac{5}{16 - 3\sqrt{3}}$$

$$527) \frac{5}{20 + 11\sqrt{6}}$$

$$528) \frac{11}{-8 - 19\sqrt{3}}$$

$$529) \frac{17}{9\sqrt{10} + 6}$$

$$530) \frac{16}{5\sqrt{3} - 7}$$

$$531) \frac{10}{-2 + 16\sqrt{5}}$$

$$532) \frac{10}{4 + 6\sqrt{19}}$$

$$533) \frac{7}{11 - 14\sqrt{5}}$$

$$534) \frac{9}{13 - 3\sqrt{3}}$$

$$535) \frac{8}{17 - 19\sqrt{5}}$$

$$536) \frac{15}{13 + 11\sqrt{19}}$$

$$537) \frac{12}{6 - 9\sqrt{19}}$$

$$538) \frac{14}{3 - 19\sqrt{17}}$$

$$539) \frac{13}{-10 - 13\sqrt{19}}$$

$$540) \frac{14}{19 + 8\sqrt{2}}$$

$$541) \frac{11}{4 + 6\sqrt{2}}$$

$$542) \frac{19}{-2 + 12\sqrt{17}}$$

$$543) \frac{4\sqrt{5}}{17 + 19\sqrt{6}}$$

$$544) -\frac{4\sqrt{7}}{16 + 20\sqrt{3}}$$

$$545) \frac{17\sqrt{2}}{8\sqrt{19} + 8\sqrt{3}}$$

$$546) \frac{10}{16 + 16\sqrt{10}}$$

$$547) \frac{7\sqrt{19}}{12\sqrt{17} - 16}$$

$$548) \frac{2}{-20 + 3\sqrt{15}}$$

$$549) -\frac{6\sqrt{19}}{6\sqrt{10} - 11\sqrt{17}}$$

$$550) -\frac{19\sqrt{10}}{-8 - 12\sqrt{14}}$$

$$551) \frac{17}{-18 - 3\sqrt{7}}$$

$$552) \frac{20}{16 - 15\sqrt{7}}$$

$$553) \frac{15}{20\sqrt{15 + 12}}$$

$$554) \frac{18}{-16 + 8\sqrt{19}}$$

$$555) \frac{15}{16 + 16\sqrt{17}}$$

$$556) \frac{18}{15 + 2\sqrt{3}}$$

$$557) \frac{4}{16 + 16\sqrt{13}}$$

$$558) \frac{14}{4 + 13\sqrt{19}}$$

$$559) \frac{12}{7 - 3\sqrt{14}}$$

$$560) \frac{20}{14\sqrt{17 + 17}}$$

$$561) \frac{5}{13 + 19\sqrt{17}}$$

$$562) \frac{19}{9 - 8\sqrt{14}}$$

$$563) \frac{18}{-18 - 17\sqrt{5}}$$

$$564) \frac{3}{-16 - 6\sqrt{14}}$$

$$565) \frac{4}{19 + 9\sqrt{19}}$$

$$566) \frac{17}{10 - 11\sqrt{14}}$$

$$567) \frac{20}{5 + 11\sqrt{19}}$$

$$568) \frac{3}{10 - 17\sqrt{14}}$$

$$569) \frac{17}{-20 - 19\sqrt{14}}$$

$$570) \frac{16}{13 + 16\sqrt{3}}$$

$$571) \frac{2}{-3 + 11\sqrt{11}}$$

$$572) \frac{12}{3 + 8\sqrt{13}}$$

$$573) \frac{16\sqrt{17}}{13 + 20\sqrt{5}}$$

$$574) \frac{18\sqrt{13}}{-8 + 11\sqrt{6}}$$

$$575) -\frac{6\sqrt{19}}{8 - 20\sqrt{6}}$$

$$576) \frac{19\sqrt{13}}{3 - 8\sqrt{14}}$$

$$577) \frac{17}{3 + 19\sqrt{10}}$$

$$578) -\frac{8\sqrt{10}}{3 - 5\sqrt{10}}$$

$$579) \frac{2\sqrt{7}}{-2 + 15\sqrt{3}}$$

$$580) \frac{20}{-14 + 20\sqrt{15}}$$

$$581) \frac{19}{17\sqrt{10} - 6}$$

$$582) \frac{4}{-5 + 6\sqrt{15}}$$

$$583) \frac{5}{-11 - 9\sqrt{13}}$$

$$584) \frac{4}{16 + 2\sqrt{10}}$$

$$585) \frac{12}{3 - 13\sqrt{17}}$$

$$586) -\frac{20}{14 + 3\sqrt{7}}$$

$$587) \frac{2}{14 - 8\sqrt{7}}$$

$$588) \frac{9}{18 + 19\sqrt{10}}$$

$$589) \frac{3}{5 + 6\sqrt{17}}$$

$$590) \frac{8}{6 - 6\sqrt{7}}$$

$$591) \frac{2}{9 + 4\sqrt{3}}$$

$$592) \frac{7}{20 + 12\sqrt{5}}$$

$$593) \frac{9}{-16 - 19\sqrt{5}}$$

$$594) \frac{13}{-9 - 11\sqrt{7}}$$

$$595) \frac{7}{14 + 12\sqrt{11}}$$

$$596) \frac{13}{-17 - 3\sqrt{11}}$$

$$597) \frac{6}{18 - 9\sqrt{6}}$$

$$598) \frac{5}{14 + 3\sqrt{6}}$$

$$599) \frac{7}{15\sqrt{15} + 10}$$

$$600) \frac{9}{3 + 17\sqrt{11}}$$

Division of radicals - Monomial divides binomial without variables

**Divide radicals:**

$$1) \frac{4}{-2 - \sqrt{2}}$$

$$\frac{-4 + 2\sqrt{2}}{}$$

$$2) \frac{5}{4 + \sqrt{5}}$$

$$\frac{20 - 5\sqrt{5}}{11}$$

$$3) \frac{5}{-2 + \sqrt{5}}$$

$$\frac{10 + 5\sqrt{5}}{}$$

$$4) \frac{5}{-3 - \sqrt{5}}$$

$$\frac{-15 + 5\sqrt{5}}{4}$$

$$5) \frac{4}{3 + \sqrt{3}}$$

$$\frac{6 - 2\sqrt{3}}{3}$$

$$6) \frac{2}{2 + \sqrt{2}}$$

$$2 - \sqrt{2}$$

$$7) \frac{5}{-5 + \sqrt{2}}$$

$$\frac{-25 - 5\sqrt{2}}{23}$$

$$8) \frac{2}{3 - \sqrt{5}}$$

$$\frac{3 + \sqrt{5}}{2}$$

$$9) \frac{3}{3 - \sqrt{3}}$$

$$\frac{3 + \sqrt{3}}{2}$$

$$10) -\frac{3}{-3 + \sqrt{5}}$$

$$\frac{9 + 3\sqrt{5}}{4}$$

$$11) \frac{5}{3 - \sqrt{3}}$$

$$\frac{15 + 5\sqrt{3}}{6}$$

$$12) \frac{4}{4 - \sqrt{5}}$$

$$\frac{16 + 4\sqrt{5}}{11}$$

$$13) \frac{\sqrt{3}}{\sqrt{2} + \sqrt{5}}$$

$$\frac{-\sqrt{6} + \sqrt{15}}{3}$$

$$14) \frac{\sqrt{2}}{-5 - \sqrt{2}}$$

$$\frac{-5\sqrt{2} + 2}{23}$$

$$15) \frac{\sqrt{2}}{5 + \sqrt{2}}$$

$$\frac{5\sqrt{2} - 2}{23}$$

$$16) \frac{\sqrt{3}}{3 - \sqrt{2}}$$

$$\frac{3\sqrt{3} + \sqrt{6}}{7}$$

$$17) \frac{\sqrt{5}}{-4 + \sqrt{3}}$$

$$\frac{-4\sqrt{5} - \sqrt{15}}{13}$$

$$18) \frac{\sqrt{5}}{-2 + \sqrt{5}}$$

$$2\sqrt{5} + 5$$

$$19) \frac{5}{-1 + \sqrt{3}}$$

$$\frac{5 + 5\sqrt{3}}{2}$$

$$20) \frac{3}{-5 - \sqrt{2}}$$

$$\frac{-15 + 3\sqrt{2}}{23}$$

$$21) \frac{4}{-5 + \sqrt{3}}$$
$$\frac{-10 - 2\sqrt{3}}{11}$$

$$22) \frac{5}{2 - \sqrt{2}}$$
$$\frac{10 + 5\sqrt{2}}{2}$$

$$23) -\frac{4}{3 + \sqrt{5}}$$
$$-3 + \sqrt{5}$$

$$24) \frac{4}{\sqrt{5} + \sqrt{2}}$$
$$\frac{4\sqrt{5} - 4\sqrt{2}}{3}$$

$$25) \frac{4}{-4 - \sqrt{3}}$$
$$\frac{-16 + 4\sqrt{3}}{13}$$

$$26) \frac{2}{2 - \sqrt{5}}$$
$$-4 - 2\sqrt{5}$$

$$27) -\frac{3}{5 + \sqrt{2}}$$
$$\frac{-15 + 3\sqrt{2}}{23}$$

$$28) \frac{2}{3 + \sqrt{3}}$$
$$\frac{3 - \sqrt{3}}{3}$$

$$29) \frac{3}{4 - \sqrt{5}}$$
$$\frac{12 + 3\sqrt{5}}{11}$$

$$30) \frac{5}{\sqrt{3} + \sqrt{5}}$$
$$\frac{-5\sqrt{3} + 5\sqrt{5}}{2}$$

$$31) \frac{2}{-3 + \sqrt{2}}$$
$$\frac{-6 - 2\sqrt{2}}{7}$$

$$32) \frac{5}{5 - \sqrt{3}}$$
$$\frac{25 + 5\sqrt{3}}{22}$$

$$33) \frac{3}{-3 - \sqrt{3}}$$
$$\frac{-3 + \sqrt{3}}{2}$$

$$34) \frac{4}{5 - \sqrt{2}}$$
$$\frac{20 + 4\sqrt{2}}{23}$$

$$35) \frac{3}{\sqrt{3} + \sqrt{5}}$$
$$\frac{-3\sqrt{3} + 3\sqrt{5}}{2}$$

$$36) \frac{4}{4 - \sqrt{3}}$$
$$\frac{16 + 4\sqrt{3}}{13}$$

$$37) \frac{4}{-4 + \sqrt{2}}$$
$$\frac{-8 - 2\sqrt{2}}{7}$$

$$38) \frac{5}{2 - \sqrt{5}}$$
$$-10 - 5\sqrt{5}$$

$$39) \frac{2}{-5 - \sqrt{2}}$$
$$\frac{-10 + 2\sqrt{2}}{23}$$

$$40) \frac{\sqrt{3}}{\sqrt{2} + \sqrt{3}}$$
$$-\sqrt{6} + 3$$

$$41) \frac{\sqrt{5}}{\sqrt{5} - \sqrt{3}}$$

$$\frac{5 + \sqrt{15}}{2}$$

$$42) \frac{\sqrt{3}}{\sqrt{5} + \sqrt{3}}$$

$$\frac{\sqrt{15} - 3}{2}$$

$$43) \frac{\sqrt{3}}{-2 + \sqrt{2}}$$

$$\frac{-2\sqrt{3} - \sqrt{6}}{2}$$

$$44) \frac{2}{\sqrt{2} - 5}$$

$$\frac{-2\sqrt{2} - 10}{23}$$

$$45) \frac{4}{5 + \sqrt{3}}$$

$$\frac{10 - 2\sqrt{3}}{11}$$

$$46) \frac{2}{4 - \sqrt{2}}$$

$$\frac{4 + \sqrt{2}}{7}$$

$$47) \frac{\sqrt{2}}{-2 - \sqrt{3}}$$

$$-2\sqrt{2} + \sqrt{6}$$

$$48) \frac{5}{\sqrt{3} - \sqrt{2}}$$

$$5\sqrt{3} + 5\sqrt{2}$$

$$49) -\frac{3}{2 - \sqrt{5}}$$

$$6 + 3\sqrt{5}$$

$$50) \frac{3}{-3 + \sqrt{5}}$$

$$\frac{-9 - 3\sqrt{5}}{4}$$

$$51) -\frac{1}{4+\sqrt{5}}$$
$$\frac{-4+\sqrt{5}}{11}$$

$$52) \frac{2}{\sqrt{3}+2}$$
$$-2\sqrt{3}+4$$

$$53) \frac{5}{3-\sqrt{2}}$$
$$\frac{15+5\sqrt{2}}{7}$$

$$54) \frac{3}{\sqrt{5}+3}$$
$$\frac{-3\sqrt{5}+9}{4}$$

$$55) \frac{3}{5-\sqrt{2}}$$
$$\frac{15+3\sqrt{2}}{23}$$

$$56) \frac{2}{3+\sqrt{2}}$$
$$\frac{6-2\sqrt{2}}{7}$$

$$57) -\frac{3}{3-\sqrt{2}}$$
$$\frac{-9-3\sqrt{2}}{7}$$

$$58) \frac{5}{5-\sqrt{5}}$$
$$\frac{5+\sqrt{5}}{4}$$

$$59) \frac{\sqrt{3}}{4+\sqrt{3}}$$
$$\frac{4\sqrt{3}-3}{13}$$

$$60) \frac{\sqrt{5}}{3+\sqrt{3}}$$
$$\frac{3\sqrt{5}-\sqrt{15}}{6}$$

$$61) \frac{\sqrt{2}}{\sqrt{3+4}}$$

$$\frac{-\sqrt{6} + 4\sqrt{2}}{13}$$

$$62) \frac{\sqrt{5}}{\sqrt{3+2}}$$

$$\frac{-\sqrt{15} + 2\sqrt{5}}{13}$$

$$63) \frac{\sqrt{2}}{-3 - \sqrt{3}}$$

$$\frac{-3\sqrt{2} + \sqrt{6}}{6}$$

$$64) \frac{5}{\sqrt{3+4}}$$

$$\frac{-5\sqrt{3} + 20}{13}$$

$$65) \frac{2}{5 - \sqrt{3}}$$

$$\frac{5 + \sqrt{3}}{11}$$

$$66) \frac{2}{-4 - \sqrt{3}}$$

$$\frac{-8 + 2\sqrt{3}}{13}$$

$$67) \frac{\sqrt{5}}{-3 - \sqrt{3}}$$

$$\frac{-3\sqrt{5} + \sqrt{15}}{6}$$

$$68) \frac{5}{\sqrt{5+3}}$$

$$\frac{-5\sqrt{5} + 15}{4}$$

$$69) -\frac{5}{2 - \sqrt{5}}$$

$$10 + 5\sqrt{5}$$

$$70) -\frac{4}{4 - \sqrt{2}}$$

$$\frac{-8 - 2\sqrt{2}}{7}$$

$$71) \frac{4}{\sqrt{2}-2}$$
$$\frac{-2\sqrt{2}-4}{-2\sqrt{2}-4}$$

$$72) \frac{3}{-1+\sqrt{2}}$$
$$\frac{3+3\sqrt{2}}{3+3\sqrt{2}}$$

$$73) \frac{5}{5-\sqrt{2}}$$
$$\frac{25+5\sqrt{2}}{23}$$

$$74) -\frac{1}{4+\sqrt{3}}$$
$$\frac{-4+\sqrt{3}}{13}$$

$$75) \frac{5}{\sqrt{5}+\sqrt{3}}$$
$$\frac{5\sqrt{5}-5\sqrt{3}}{2}$$

$$76) -\frac{1}{\sqrt{5}-\sqrt{2}}$$
$$\frac{-\sqrt{5}-\sqrt{2}}{3}$$

$$77) \frac{4}{-1-\sqrt{5}}$$
$$\frac{1-\sqrt{5}}{1-\sqrt{5}}$$

$$78) \frac{4}{2+\sqrt{3}}$$
$$\frac{8-4\sqrt{3}}{8-4\sqrt{3}}$$

$$79) \frac{3}{2-\sqrt{5}}$$
$$\frac{-6-3\sqrt{5}}{-6-3\sqrt{5}}$$

$$80) \frac{3}{4-\sqrt{2}}$$
$$\frac{12+3\sqrt{2}}{14}$$

$$81) -\frac{3}{4-\sqrt{2}}$$

$$\frac{-12-3\sqrt{2}}{14}$$

$$82) \frac{\sqrt{5}}{\sqrt{5}-\sqrt{2}}$$

$$\frac{5+\sqrt{10}}{3}$$

$$83) \frac{\sqrt{2}}{2-\sqrt{3}}$$

$$2\sqrt{2}+\sqrt{6}$$

$$84) \frac{\sqrt{5}}{4-\sqrt{2}}$$

$$\frac{4\sqrt{5}+\sqrt{10}}{14}$$

$$85) \frac{\sqrt{2}}{-4+\sqrt{3}}$$

$$\frac{-4\sqrt{2}-\sqrt{6}}{13}$$

$$86) \frac{3}{5+\sqrt{5}}$$

$$\frac{15-3\sqrt{5}}{20}$$

$$87) \frac{4}{\sqrt{5}+\sqrt{3}}$$

$$2\sqrt{5}-2\sqrt{3}$$

$$88) -\frac{2}{3+\sqrt{2}}$$

$$\frac{-6+2\sqrt{2}}{7}$$

$$89) -\frac{3}{-1-\sqrt{5}}$$

$$\frac{-3+3\sqrt{5}}{4}$$

$$90) \frac{3}{\sqrt{2}+3}$$

$$\frac{-3\sqrt{2}+9}{7}$$

$$91) \frac{2}{4 + \sqrt{3}}$$
$$\frac{8 - 2\sqrt{3}}{13}$$

$$92) \frac{4}{2 + \sqrt{5}}$$
$$-8 + 4\sqrt{5}$$

$$93) -\frac{5}{2 + \sqrt{3}}$$
$$-10 + 5\sqrt{3}$$

$$94) -\frac{4}{4 - \sqrt{5}}$$
$$\frac{-16 - 4\sqrt{5}}{11}$$

$$95) \frac{\sqrt{5}}{-5 - \sqrt{3}}$$
$$\frac{-5\sqrt{5} + \sqrt{15}}{22}$$

$$96) \frac{\sqrt{5}}{-2 + \sqrt{3}}$$
$$-2\sqrt{5} - \sqrt{15}$$

$$97) \frac{\sqrt{2}}{\sqrt{3} - \sqrt{2}}$$
$$\sqrt{6} + 2$$

$$98) \frac{\sqrt{2}}{5 + \sqrt{3}}$$
$$\frac{5\sqrt{2} - \sqrt{6}}{22}$$

$$99) \frac{4}{-5 - \sqrt{2}}$$
$$\frac{-20 + 4\sqrt{2}}{23}$$

$$100) \frac{\sqrt{3}}{-3 - \sqrt{2}}$$
$$\frac{-3\sqrt{3} + \sqrt{6}}{7}$$

$$101) \frac{2}{3 + \sqrt{6}}$$
$$\frac{6 - 2\sqrt{6}}{3}$$

$$102) \frac{3}{5 - \sqrt{6}}$$
$$\frac{15 + 3\sqrt{6}}{19}$$

$$103) \frac{5}{2 + \sqrt{7}}$$
$$\frac{-10 + 5\sqrt{7}}{3}$$

$$104) \frac{3}{-6 - \sqrt{5}}$$
$$\frac{-18 + 3\sqrt{5}}{31}$$

$$105) \frac{2}{2 + \sqrt{5}}$$
$$\frac{-4 + 2\sqrt{5}}{3}$$

$$106) -\frac{4}{3 - \sqrt{3}}$$
$$\frac{-6 - 2\sqrt{3}}{3}$$

$$107) \frac{8}{2 - \sqrt{5}}$$
$$\frac{-16 - 8\sqrt{5}}{3}$$

$$108) \frac{6}{-3 - \sqrt{5}}$$
$$\frac{-9 + 3\sqrt{5}}{2}$$

$$109) \frac{2}{6 - \sqrt{7}}$$
$$\frac{12 + 2\sqrt{7}}{29}$$

$$110) \frac{6}{\sqrt{2} - 3}$$
$$\frac{-6\sqrt{2} - 18}{7}$$

$$111) \frac{5}{7 - \sqrt{5}}$$
$$\frac{35 + 5\sqrt{5}}{44}$$

$$112) \frac{8}{5 - \sqrt{6}}$$
$$\frac{40 + 8\sqrt{6}}{19}$$

$$113) \frac{8}{6 - \sqrt{5}}$$
$$\frac{48 + 8\sqrt{5}}{31}$$

$$114) -\frac{3}{6 + \sqrt{5}}$$
$$\frac{-18 + 3\sqrt{5}}{31}$$

$$115) \frac{8}{3 - \sqrt{7}}$$
$$12 + 4\sqrt{7}$$

$$116) \frac{7}{8 - \sqrt{3}}$$
$$\frac{56 + 7\sqrt{3}}{61}$$

$$117) \frac{7}{4 - \sqrt{2}}$$
$$\frac{4 + \sqrt{2}}{2}$$

$$118) \frac{8}{4 - \sqrt{7}}$$
$$\frac{32 + 8\sqrt{7}}{9}$$

$$119) \frac{7}{5 + \sqrt{6}}$$
$$\frac{35 - 7\sqrt{6}}{19}$$

$$120) -\frac{2}{-4 - \sqrt{2}}$$
$$\frac{4 - \sqrt{2}}{7}$$

$$121) \frac{6}{7 - \sqrt{5}}$$

$$\frac{21 + 3\sqrt{5}}{22}$$

$$122) \frac{6}{2 + \sqrt{7}}$$

$$-4 + 2\sqrt{7}$$

$$123) -\frac{6}{\sqrt{5} - 8}$$

$$\frac{6\sqrt{5} + 48}{59}$$

$$124) \frac{\sqrt{7}}{-3 - \sqrt{3}}$$

$$\frac{-3\sqrt{7} + \sqrt{21}}{6}$$

$$125) \frac{\sqrt{7}}{8 - \sqrt{6}}$$

$$\frac{8\sqrt{7} + \sqrt{42}}{58}$$

$$126) \frac{\sqrt{3}}{6 + \sqrt{7}}$$

$$\frac{6\sqrt{3} - \sqrt{21}}{29}$$

$$127) \frac{\sqrt{6}}{3 - \sqrt{6}}$$

$$\sqrt{6} + 2$$

$$128) \frac{3}{\sqrt{6} + 4}$$

$$\frac{-3\sqrt{6} + 12}{10}$$

$$129) \frac{4}{-8 - \sqrt{3}}$$

$$\frac{-32 + 4\sqrt{3}}{61}$$

$$130) \frac{\sqrt{2}}{\sqrt{2} - \sqrt{6}}$$

$$\frac{-1 - \sqrt{3}}{2}$$

$$131) \frac{\sqrt{5}}{3-\sqrt{2}}$$
$$\frac{3\sqrt{5} + \sqrt{10}}{7}$$

$$132) \frac{3}{3-\sqrt{3}}$$
$$\frac{3+\sqrt{3}}{2}$$

$$133) -\frac{1}{-4+\sqrt{2}}$$
$$\frac{4+\sqrt{2}}{14}$$

$$134) \frac{2}{2-\sqrt{6}}$$
$$-2-\sqrt{6}$$

$$135) -\frac{2}{8-\sqrt{2}}$$
$$\frac{-8-\sqrt{2}}{31}$$

$$136) \frac{7}{2-\sqrt{7}}$$
$$\frac{-14-7\sqrt{7}}{3}$$

$$137) \frac{2}{4+\sqrt{2}}$$
$$\frac{4-\sqrt{2}}{7}$$

$$138) \frac{4}{4+\sqrt{5}}$$
$$\frac{16-4\sqrt{5}}{11}$$

$$139) \frac{5}{5-\sqrt{6}}$$
$$\frac{25+5\sqrt{6}}{19}$$

$$140) \frac{8}{-8+\sqrt{6}}$$
$$\frac{-32-4\sqrt{6}}{29}$$

$$141) \frac{6}{-6 + \sqrt{5}}$$
$$\frac{-36 - 6\sqrt{5}}{31}$$

$$142) \frac{7}{4 + \sqrt{6}}$$
$$\frac{28 - 7\sqrt{6}}{10}$$

$$143) \frac{8}{4 + \sqrt{6}}$$
$$\frac{16 - 4\sqrt{6}}{5}$$

$$144) \frac{7}{-1 + \sqrt{6}}$$
$$\frac{7 + 7\sqrt{6}}{5}$$

$$145) \frac{8}{-6 - \sqrt{3}}$$
$$\frac{-48 + 8\sqrt{3}}{33}$$

$$146) \frac{3}{\sqrt{6} + \sqrt{5}}$$
$$3\sqrt{6} - 3\sqrt{5}$$

$$147) \frac{6}{-8 - \sqrt{5}}$$
$$\frac{-48 + 6\sqrt{5}}{59}$$

$$148) \frac{6}{2 + \sqrt{2}}$$
$$6 - 3\sqrt{2}$$

$$149) \frac{3}{5 - \sqrt{2}}$$
$$\frac{15 + 3\sqrt{2}}{23}$$

$$150) \frac{6}{-4 + \sqrt{5}}$$
$$\frac{-24 - 6\sqrt{5}}{11}$$

$$151) \frac{7}{2 - \sqrt{2}}$$

$$\frac{14 + 7\sqrt{2}}{2}$$

$$152) \frac{\sqrt{2}}{5 + \sqrt{2}}$$

$$\frac{5\sqrt{2} - 2}{23}$$

$$153) \frac{\sqrt{2}}{\sqrt{6} - \sqrt{3}}$$

$$\frac{2\sqrt{3} + \sqrt{6}}{3}$$

$$154) \frac{6}{7 + \sqrt{2}}$$

$$\frac{42 - 6\sqrt{2}}{47}$$

$$155) \frac{\sqrt{5}}{-7 + \sqrt{5}}$$

$$\frac{-7\sqrt{5} - 5}{44}$$

$$156) \frac{\sqrt{6}}{-6 + \sqrt{6}}$$

$$\frac{-\sqrt{6} - 1}{5}$$

$$157) \frac{\sqrt{3}}{6 + \sqrt{3}}$$

$$\frac{2\sqrt{3} - 1}{11}$$

$$158) \frac{\sqrt{3}}{7 + \sqrt{6}}$$

$$\frac{7\sqrt{3} - 3\sqrt{2}}{43}$$

$$159) -\frac{6}{2 + \sqrt{6}}$$

$$6 - 3\sqrt{6}$$

$$160) \frac{3}{2 - \sqrt{2}}$$

$$\frac{6 + 3\sqrt{2}}{2}$$

$$161) \frac{3}{6 + \sqrt{2}}$$
$$\frac{18 - 3\sqrt{2}}{34}$$

$$162) -\frac{7}{2 + \sqrt{6}}$$
$$\frac{14 - 7\sqrt{6}}{2}$$

$$163) \frac{2}{6 - \sqrt{3}}$$
$$\frac{12 + 2\sqrt{3}}{33}$$

$$164) \frac{2}{-6 + \sqrt{5}}$$
$$\frac{-12 - 2\sqrt{5}}{31}$$

$$165) \frac{3}{8 - \sqrt{5}}$$
$$\frac{24 + 3\sqrt{5}}{59}$$

$$166) -\frac{5}{\sqrt{3} - \sqrt{2}}$$
$$-5\sqrt{3} - 5\sqrt{2}$$

$$167) \frac{3}{8 - \sqrt{2}}$$
$$\frac{24 + 3\sqrt{2}}{62}$$

$$168) \frac{7}{-6 + \sqrt{2}}$$
$$\frac{-42 - 7\sqrt{2}}{34}$$

$$169) \frac{2}{\sqrt{3} + 3}$$
$$\frac{-\sqrt{3} + 3}{3}$$

$$170) \frac{4}{-3 + \sqrt{7}}$$
$$-6 - 2\sqrt{7}$$

$$171) \frac{8}{-6 + \sqrt{6}}$$
$$\frac{-24 - 4\sqrt{6}}{15}$$

$$172) \frac{8}{\sqrt{2} + 6}$$
$$\frac{-4\sqrt{2} + 24}{17}$$

$$173) \frac{7}{7 - \sqrt{5}}$$
$$\frac{49 + 7\sqrt{5}}{44}$$

$$174) \frac{8}{-1 - \sqrt{5}}$$
$$2 - 2\sqrt{5}$$

$$175) \frac{8}{3 + \sqrt{6}}$$
$$\frac{24 - 8\sqrt{6}}{3}$$

$$176) \frac{7}{2 + \sqrt{5}}$$
$$-14 + 7\sqrt{5}$$

$$177) -\frac{2}{2 + \sqrt{2}}$$
$$-2 + \sqrt{2}$$

$$178) \frac{6}{2 + \sqrt{6}}$$
$$-6 + 3\sqrt{6}$$

$$179) \frac{\sqrt{5}}{-3 - \sqrt{5}}$$
$$\frac{-3\sqrt{5} + 5}{4}$$

$$180) \frac{\sqrt{2}}{-8 + \sqrt{2}}$$
$$\frac{-4\sqrt{2} - 1}{31}$$

$$181) \frac{\sqrt{3}}{8 - \sqrt{7}}$$
$$\frac{8\sqrt{3} + \sqrt{21}}{57}$$

$$182) \frac{\sqrt{3}}{3 + \sqrt{2}}$$
$$\frac{3\sqrt{3} - \sqrt{6}}{7}$$

$$183) \frac{4}{4 + \sqrt{2}}$$
$$\frac{8 - 2\sqrt{2}}{7}$$

$$184) \frac{\sqrt{3}}{-4 + \sqrt{5}}$$
$$\frac{-4\sqrt{3} - \sqrt{15}}{11}$$

$$185) \frac{\sqrt{5}}{-2 - \sqrt{7}}$$
$$\frac{2\sqrt{5} - \sqrt{35}}{3}$$

$$186) \frac{4}{\sqrt{6} + \sqrt{2}}$$
$$\sqrt{6} - \sqrt{2}$$

$$187) \frac{4}{7 - \sqrt{5}}$$
$$\frac{7 + \sqrt{5}}{11}$$

$$188) \frac{5}{-5 + \sqrt{5}}$$
$$\frac{-5 - \sqrt{5}}{4}$$

$$189) \frac{7}{-2 - \sqrt{6}}$$
$$\frac{14 - 7\sqrt{6}}{2}$$

$$190) \frac{3}{6 + \sqrt{6}}$$
$$\frac{6 - \sqrt{6}}{10}$$

$$191) \frac{2}{2 - \sqrt{7}}$$
$$\frac{-4 - 2\sqrt{7}}{3}$$

$$192) \frac{2}{\sqrt{2} - \sqrt{5}}$$
$$\frac{-2\sqrt{2} - 2\sqrt{5}}{3}$$

$$193) -\frac{4}{2 - \sqrt{6}}$$
$$4 + 2\sqrt{6}$$

$$194) \frac{5}{8 - \sqrt{5}}$$
$$\frac{40 + 5\sqrt{5}}{59}$$

$$195) \frac{3}{\sqrt{6} - \sqrt{2}}$$
$$\frac{3\sqrt{6} + 3\sqrt{2}}{4}$$

$$196) \frac{6}{6 - \sqrt{3}}$$
$$\frac{12 + 2\sqrt{3}}{11}$$

$$197) \frac{8}{\sqrt{3} - \sqrt{2}}$$
$$8\sqrt{3} + 8\sqrt{2}$$

$$198) \frac{4}{3 + \sqrt{3}}$$
$$\frac{6 - 2\sqrt{3}}{3}$$

$$199) \frac{2}{8 - \sqrt{7}}$$
$$\frac{16 + 2\sqrt{7}}{57}$$

$$200) \frac{8}{-1 - \sqrt{6}}$$
$$\frac{8 - 8\sqrt{6}}{5}$$

$$201) \frac{8}{-8 - \sqrt{5}}$$

$$\frac{-64 + 8\sqrt{5}}{59}$$

$$202) \frac{8}{-3 - \sqrt{7}}$$

$$-12 + 4\sqrt{7}$$

$$203) -\frac{5}{2 - 5\sqrt{3}}$$

$$\frac{10 + 25\sqrt{3}}{71}$$

$$204) \frac{7}{5 + 7\sqrt{7}}$$

$$\frac{-35 + 49\sqrt{7}}{318}$$

$$205) \frac{6}{\sqrt{6} + \sqrt{5}}$$

$$6\sqrt{6} - 6\sqrt{5}$$

$$206) \frac{\sqrt{7}}{\sqrt{3} + \sqrt{6}}$$

$$\frac{-\sqrt{21} + \sqrt{42}}{3}$$

$$207) \frac{\sqrt{6}}{6 + \sqrt{7}}$$

$$\frac{6\sqrt{6} - \sqrt{42}}{29}$$

$$208) \frac{7}{2\sqrt{7} - \sqrt{3}}$$

$$\frac{14\sqrt{7} + 7\sqrt{3}}{25}$$

$$209) \frac{\sqrt{3}}{7 - 4\sqrt{2}}$$

$$\frac{7\sqrt{3} + 4\sqrt{6}}{17}$$

$$210) \frac{3\sqrt{5}}{\sqrt{3} - \sqrt{2}}$$

$$3\sqrt{15} + 3\sqrt{10}$$

$$211) -\frac{2}{8\sqrt{2} - 8\sqrt{7}}$$

$$\frac{\sqrt{2} + \sqrt{7}}{20}$$

$$212) -\frac{7\sqrt{2}}{7 - \sqrt{2}}$$

$$\frac{-49\sqrt{2} - 14}{47}$$

$$213) \frac{5\sqrt{2}}{6 + 8\sqrt{5}}$$

$$\frac{-15\sqrt{2} + 20\sqrt{10}}{142}$$

$$214) \frac{4}{7 + 7\sqrt{5}}$$

$$\frac{-1 + \sqrt{5}}{7}$$

$$215) \frac{3}{5 + \sqrt{3}}$$

$$\frac{15 - 3\sqrt{3}}{22}$$

$$216) -\frac{7}{8 + \sqrt{6}}$$

$$\frac{-56 + 7\sqrt{6}}{58}$$

$$217) \frac{3}{6\sqrt{7} + 7}$$

$$\frac{18\sqrt{7} - 21}{203}$$

$$218) \frac{3}{3\sqrt{7} + \sqrt{5}}$$

$$\frac{9\sqrt{7} - 3\sqrt{5}}{58}$$

$$219) \frac{3}{4 + 5\sqrt{3}}$$

$$\frac{-12 + 15\sqrt{3}}{59}$$

$$220) \frac{2}{-1 + \sqrt{3}}$$

$$1 + \sqrt{3}$$

$$221) \frac{2}{8 - \sqrt{7}}$$
$$\frac{16 + 2\sqrt{7}}{57}$$

$$222) \frac{7}{6\sqrt{6} - \sqrt{3}}$$
$$\frac{42\sqrt{6} + 7\sqrt{3}}{213}$$

$$223) -\frac{7}{\sqrt{7} - \sqrt{6}}$$
$$-7\sqrt{7} - 7\sqrt{6}$$

$$224) -\frac{5}{5 - \sqrt{5}}$$
$$\frac{-5 - \sqrt{5}}{4}$$

$$225) \frac{2}{5 + 3\sqrt{2}}$$
$$\frac{10 - 6\sqrt{2}}{7}$$

$$226) \frac{2}{2 + \sqrt{3}}$$
$$4 - 2\sqrt{3}$$

$$227) \frac{7}{4\sqrt{6} + \sqrt{5}}$$
$$\frac{4\sqrt{6} - \sqrt{5}}{13}$$

$$228) \frac{2}{8 + \sqrt{3}}$$
$$\frac{16 - 2\sqrt{3}}{61}$$

$$229) \frac{7}{-3 + \sqrt{2}}$$
$$-3 - \sqrt{2}$$

$$230) \frac{8}{5 - 8\sqrt{5}}$$
$$\frac{-40 - 64\sqrt{5}}{295}$$

$$231) \frac{6}{-4 + 2\sqrt{5}}$$

$$6 + 3\sqrt{5}$$

$$232) \frac{8}{2 + \sqrt{2}}$$

$$8 - 4\sqrt{2}$$

$$233) -\frac{8}{\sqrt{2} + \sqrt{6}}$$

$$2\sqrt{2} - 2\sqrt{6}$$

$$234) -\frac{3}{2\sqrt{6} - 7\sqrt{7}}$$

$$\frac{6\sqrt{6} + 21\sqrt{7}}{319}$$

$$235) \frac{7}{\sqrt{3} + 6\sqrt{2}}$$

$$\frac{-7\sqrt{3} + 42\sqrt{2}}{69}$$

$$236) -\frac{7\sqrt{2}}{7 - \sqrt{7}}$$

$$\frac{-7\sqrt{2} - \sqrt{14}}{6}$$

$$237) \frac{\sqrt{2}}{7 - 5\sqrt{3}}$$

$$\frac{-7\sqrt{2} - 5\sqrt{6}}{26}$$

$$238) \frac{\sqrt{3}}{7 + 6\sqrt{6}}$$

$$\frac{-7\sqrt{3} + 18\sqrt{2}}{167}$$

$$239) \frac{2\sqrt{6}}{-1 - \sqrt{2}}$$

$$2\sqrt{6} - 4\sqrt{3}$$

$$240) \frac{7}{8\sqrt{7} - \sqrt{5}}$$

$$\frac{56\sqrt{7} + 7\sqrt{5}}{443}$$

$$241) \frac{8\sqrt{2}}{8 + 5\sqrt{6}}$$

$$\frac{-32\sqrt{2} + 40\sqrt{3}}{43}$$

$$242) \frac{4}{-3 - \sqrt{5}}$$

$$-3 + \sqrt{5}$$

$$243) \frac{5}{\sqrt{5} - 5}$$

$$\frac{-\sqrt{5} - 5}{4}$$

$$244) \frac{6\sqrt{3}}{4 - 7\sqrt{3}}$$

$$\frac{-24\sqrt{3} - 126}{131}$$

$$245) \frac{4}{6\sqrt{5} - 7}$$

$$\frac{24\sqrt{5} + 28}{131}$$

$$246) \frac{5\sqrt{6}}{-6 + \sqrt{2}}$$

$$\frac{-15\sqrt{6} - 5\sqrt{3}}{17}$$

$$247) \frac{4}{-8 + 2\sqrt{3}}$$

$$\frac{-8 - 2\sqrt{3}}{13}$$

$$248) -\frac{3}{4\sqrt{7} + \sqrt{2}}$$

$$\frac{-12\sqrt{7} + 3\sqrt{2}}{110}$$

$$249) -\frac{5}{8 - 6\sqrt{5}}$$

$$\frac{20 + 15\sqrt{5}}{58}$$

$$250) \frac{3}{\sqrt{2} - \sqrt{6}}$$

$$\frac{-3\sqrt{2} - 3\sqrt{6}}{4}$$

$$251) \frac{7}{\sqrt{2+5}}$$

$$\frac{-7\sqrt{2} + 35}{23}$$

$$252) \frac{2}{-5 - 8\sqrt{3}}$$

$$\frac{10 - 16\sqrt{3}}{167}$$

$$253) \frac{3}{3 + 7\sqrt{7}}$$

$$\frac{-9 + 21\sqrt{7}}{334}$$

$$254) \frac{2}{\sqrt{6} - 2\sqrt{2}}$$

$$-\sqrt{6} - 2\sqrt{2}$$

$$255) \frac{7}{2\sqrt{3} + 5\sqrt{5}}$$

$$\frac{-14\sqrt{3} + 35\sqrt{5}}{113}$$

$$256) \frac{4}{4 + 6\sqrt{6}}$$

$$\frac{-2 + 3\sqrt{6}}{25}$$

$$257) \frac{2}{8 - \sqrt{6}}$$

$$\frac{8 + \sqrt{6}}{29}$$

$$258) \frac{2}{5 - \sqrt{6}}$$

$$\frac{10 + 2\sqrt{6}}{19}$$

$$259) \frac{2}{6 + 7\sqrt{5}}$$

$$\frac{-12 + 14\sqrt{5}}{209}$$

$$260) \frac{8}{4 - 2\sqrt{5}}$$

$$-8 - 4\sqrt{5}$$

$$261) -\frac{5}{-5-2\sqrt{5}}$$
$$\frac{5-2\sqrt{5}}{5-2\sqrt{5}}$$

$$262) \frac{8}{-8+4\sqrt{5}}$$
$$\frac{4+2\sqrt{5}}{4+2\sqrt{5}}$$

$$263) \frac{7}{2-5\sqrt{6}}$$
$$\frac{-14-35\sqrt{6}}{146}$$

$$264) \frac{7}{-8-\sqrt{3}}$$
$$\frac{-56+7\sqrt{3}}{61}$$

$$265) \frac{8}{4\sqrt{3}-\sqrt{5}}$$
$$\frac{32\sqrt{3}+8\sqrt{5}}{43}$$

$$266) -\frac{5}{\sqrt{7}-\sqrt{3}}$$
$$\frac{-5\sqrt{7}-5\sqrt{3}}{4}$$

$$267) \frac{8}{\sqrt{7}+\sqrt{5}}$$
$$4\sqrt{7}-4\sqrt{5}$$

$$268) \frac{\sqrt{2}}{\sqrt{6}-\sqrt{7}}$$
$$-2\sqrt{3}-\sqrt{14}$$

$$269) \frac{\sqrt{5}}{-7-3\sqrt{7}}$$
$$\frac{7\sqrt{5}-3\sqrt{35}}{14}$$

$$270) \frac{\sqrt{5}}{\sqrt{6}+5}$$
$$\frac{-\sqrt{30}+5\sqrt{5}}{19}$$

$$271) \frac{\sqrt{5}}{2 - \sqrt{6}}$$

$$\frac{-2\sqrt{5} - \sqrt{30}}{2}$$

$$272) \frac{4\sqrt{7}}{5 - \sqrt{6}}$$

$$\frac{20\sqrt{7} + 4\sqrt{42}}{19}$$

$$273) \frac{5\sqrt{5}}{5 - 4\sqrt{6}}$$

$$\frac{-25\sqrt{5} - 20\sqrt{30}}{71}$$

$$274) \frac{5}{2 - 8\sqrt{7}}$$

$$\frac{-5 - 20\sqrt{7}}{222}$$

$$275) \frac{5}{8 + \sqrt{7}}$$

$$\frac{40 - 5\sqrt{7}}{57}$$

$$276) \frac{4}{\sqrt{5} - 5\sqrt{3}}$$

$$\frac{-2\sqrt{5} - 10\sqrt{3}}{35}$$

$$277) \frac{4}{8 - \sqrt{6}}$$

$$\frac{16 + 2\sqrt{6}}{29}$$

$$278) \frac{5}{7 - 3\sqrt{6}}$$

$$\frac{-7 - 3\sqrt{6}}{}$$

$$279) \frac{3}{\sqrt{3} + 6\sqrt{5}}$$

$$\frac{-\sqrt{3} + 6\sqrt{5}}{59}$$

$$280) \frac{4}{5\sqrt{7} - 3\sqrt{2}}$$

$$\frac{20\sqrt{7} + 12\sqrt{2}}{157}$$

$$281) -\frac{1}{\sqrt{7}-4\sqrt{6}}$$
$$\frac{\sqrt{7}+4\sqrt{6}}{89}$$

$$282) \frac{3}{4-\sqrt{6}}$$
$$\frac{12+3\sqrt{6}}{10}$$

$$283) \frac{3}{3\sqrt{3}-6\sqrt{6}}$$
$$\frac{-\sqrt{3}-2\sqrt{6}}{21}$$

$$284) \frac{2}{7+7\sqrt{6}}$$
$$\frac{-2+2\sqrt{6}}{35}$$

$$285) \frac{8}{6-4\sqrt{2}}$$
$$12+8\sqrt{2}$$

$$286) \frac{2}{-7-\sqrt{2}}$$
$$\frac{-14+2\sqrt{2}}{47}$$

$$287) \frac{5}{-4-\sqrt{2}}$$
$$\frac{-20+5\sqrt{2}}{14}$$

$$288) -\frac{8}{-4-\sqrt{2}}$$
$$\frac{16-4\sqrt{2}}{7}$$

$$289) \frac{2}{4+\sqrt{7}}$$
$$\frac{8-2\sqrt{7}}{9}$$

$$290) \frac{5}{\sqrt{7}-\sqrt{2}}$$
$$\sqrt{7}+\sqrt{2}$$

$$291) \frac{8}{-6 + 8\sqrt{7}}$$

$$\frac{12 + 16\sqrt{7}}{103}$$

$$292) -\frac{5}{4\sqrt{2} + \sqrt{6}}$$

$$\frac{-20\sqrt{2} + 5\sqrt{6}}{26}$$

$$293) -\frac{4}{-2 + 3\sqrt{7}}$$

$$\frac{-8 - 12\sqrt{7}}{59}$$

$$294) \frac{3}{4 + 5\sqrt{6}}$$

$$\frac{-12 + 15\sqrt{6}}{134}$$

$$295) \frac{8}{\sqrt{3} + 3\sqrt{5}}$$

$$\frac{-4\sqrt{3} + 12\sqrt{5}}{21}$$

$$296) -\frac{1}{5\sqrt{3} + \sqrt{7}}$$

$$\frac{-5\sqrt{3} + \sqrt{7}}{68}$$

$$297) \frac{8}{\sqrt{6} + 8\sqrt{2}}$$

$$\frac{-4\sqrt{6} + 32\sqrt{2}}{61}$$

$$298) \frac{\sqrt{6}}{7 - \sqrt{7}}$$

$$\frac{7\sqrt{6} + \sqrt{42}}{42}$$

$$299) \frac{7}{8 + 2\sqrt{6}}$$

$$\frac{28 - 7\sqrt{6}}{20}$$

$$300) \frac{\sqrt{3}}{8 - 6\sqrt{6}}$$

$$\frac{-4\sqrt{3} - 9\sqrt{2}}{76}$$

$$301) \frac{7\sqrt{3}}{-3 + \sqrt{7}}$$

$$\frac{-21\sqrt{3} - 7\sqrt{21}}{2}$$

$$302) \frac{6\sqrt{7}}{9\sqrt{2} + 10}$$

$$\frac{27\sqrt{14} - 30\sqrt{7}}{31}$$

$$303) \frac{5\sqrt{6}}{4 + 12\sqrt{2}}$$

$$\frac{-5\sqrt{6} + 30\sqrt{3}}{68}$$

$$304) \frac{3}{4\sqrt{2} - \sqrt{3}}$$

$$\frac{12\sqrt{2} + 3\sqrt{3}}{29}$$

$$305) \frac{7\sqrt{5}}{5 - 2\sqrt{3}}$$

$$\frac{35\sqrt{5} + 14\sqrt{15}}{13}$$

$$306) \frac{6}{6 + 10\sqrt{10}}$$

$$\frac{-9 + 15\sqrt{10}}{241}$$

$$307) -\frac{6}{7 + 5\sqrt{7}}$$

$$\frac{7 - 5\sqrt{7}}{21}$$

$$308) \frac{7}{8 + 2\sqrt{11}}$$

$$\frac{28 - 7\sqrt{11}}{10}$$

$$309) \frac{9}{2\sqrt{10} - 2\sqrt{6}}$$

$$\frac{9\sqrt{10} + 9\sqrt{6}}{8}$$

$$310) \frac{6}{7\sqrt{6} + 6\sqrt{3}}$$

$$\frac{7\sqrt{6} - 6\sqrt{3}}{31}$$

$$311) \frac{3}{\sqrt{10} + \sqrt{2}}$$

$$\frac{3\sqrt{10} - 3\sqrt{2}}{8}$$

$$312) \frac{2}{10 - \sqrt{10}}$$

$$\frac{10 + \sqrt{10}}{45}$$

$$313) \frac{10}{3 - \sqrt{10}}$$

$$\frac{-30 - 10\sqrt{10}}{9}$$

$$314) \frac{2}{3\sqrt{10} - 3\sqrt{7}}$$

$$\frac{2\sqrt{10} + 2\sqrt{7}}{9}$$

$$315) \frac{5}{12 - 3\sqrt{11}}$$

$$\frac{4 + \sqrt{11}}{3}$$

$$316) \frac{9}{2 + 11\sqrt{3}}$$

$$\frac{-18 + 99\sqrt{3}}{359}$$

$$317) \frac{2}{6\sqrt{6} + \sqrt{3}}$$

$$\frac{12\sqrt{6} - 2\sqrt{3}}{213}$$

$$318) \frac{8}{4\sqrt{7} - \sqrt{11}}$$

$$\frac{32\sqrt{7} + 8\sqrt{11}}{101}$$

$$319) \frac{9}{\sqrt{2} + 12\sqrt{3}}$$

$$\frac{-9\sqrt{2} + 108\sqrt{3}}{430}$$

$$320) \frac{12}{3 - \sqrt{5}}$$

$$9 + 3\sqrt{5}$$

$$321) \frac{5}{-4 + 12\sqrt{6}}$$

$$\frac{5 + 15\sqrt{6}}{212}$$

$$322) \frac{2}{\sqrt{10} - \sqrt{7}}$$

$$\frac{2\sqrt{10} + 2\sqrt{7}}{3}$$

$$323) \frac{2}{5 + 5\sqrt{5}}$$

$$\frac{-1 + \sqrt{5}}{10}$$

$$324) \frac{4}{11 - 4\sqrt{10}}$$

$$\frac{-44 - 16\sqrt{10}}{39}$$

$$325) \frac{4}{2 - 6\sqrt{3}}$$

$$\frac{-1 - 3\sqrt{3}}{13}$$

$$326) \frac{11}{\sqrt{6} + \sqrt{5}}$$

$$11\sqrt{6} - 11\sqrt{5}$$

$$327) \frac{4}{6\sqrt{11} - 8\sqrt{3}}$$

$$\frac{6\sqrt{11} + 8\sqrt{3}}{51}$$

$$328) \frac{9}{4 - 3\sqrt{7}}$$

$$\frac{-36 - 27\sqrt{7}}{47}$$

$$329) \frac{\sqrt{6}}{8 + 6\sqrt{3}}$$

$$\frac{-4\sqrt{6} + 9\sqrt{2}}{22}$$

$$330) \frac{\sqrt{6}}{\sqrt{3} + \sqrt{11}}$$

$$\frac{-3\sqrt{2} + \sqrt{66}}{8}$$

$$331) \frac{3\sqrt{11}}{\sqrt{3}-11}$$

$$\frac{-3\sqrt{33}-33\sqrt{11}}{118}$$

$$332) \frac{8\sqrt{2}}{8\sqrt{3}-\sqrt{11}}$$

$$\frac{64\sqrt{6}+8\sqrt{22}}{181}$$

$$333) \frac{9\sqrt{3}}{3+3\sqrt{5}}$$

$$\frac{-3\sqrt{3}+3\sqrt{15}}{4}$$

$$334) \frac{\sqrt{6}}{10-\sqrt{2}}$$

$$\frac{5\sqrt{6}+\sqrt{3}}{49}$$

$$335) \frac{6}{\sqrt{6}+\sqrt{7}}$$

$$\frac{-6\sqrt{6}+6\sqrt{7}}{1}$$

$$336) \frac{2}{10-12\sqrt{2}}$$

$$\frac{-5-6\sqrt{2}}{47}$$

$$337) \frac{9}{2-4\sqrt{6}}$$

$$\frac{-9-18\sqrt{6}}{46}$$

$$338) \frac{4}{-1-\sqrt{6}}$$

$$\frac{4-4\sqrt{6}}{5}$$

$$339) -\frac{9}{2+\sqrt{6}}$$

$$\frac{18-9\sqrt{6}}{2}$$

$$340) \frac{5}{4\sqrt{6}-\sqrt{2}}$$

$$\frac{20\sqrt{6}+5\sqrt{2}}{94}$$

$$341) \frac{11}{10\sqrt{2} - 3}$$

$$\frac{110\sqrt{2} + 33}{191}$$

$$342) \frac{12}{4\sqrt{6} - 11\sqrt{3}}$$

$$\frac{-16\sqrt{6} - 44\sqrt{3}}{89}$$

$$343) \frac{9}{7 - \sqrt{5}}$$

$$\frac{63 + 9\sqrt{5}}{44}$$

$$344) \frac{8}{-12 + \sqrt{7}}$$

$$\frac{-96 - 8\sqrt{7}}{137}$$

$$345) \frac{2}{\sqrt{5} - \sqrt{6}}$$

$$\frac{-2\sqrt{5} - 2\sqrt{6}}{1}$$

$$346) \frac{5}{2 + 4\sqrt{5}}$$

$$\frac{-5 + 10\sqrt{5}}{38}$$

$$347) \frac{4}{\sqrt{11} + \sqrt{2}}$$

$$\frac{4\sqrt{11} - 4\sqrt{2}}{9}$$

$$348) -\frac{10}{9 - 10\sqrt{5}}$$

$$\frac{90 + 100\sqrt{5}}{419}$$

$$349) \frac{7}{2 - 9\sqrt{2}}$$

$$\frac{-14 - 63\sqrt{2}}{158}$$

$$350) \frac{11}{12\sqrt{3} - 5}$$

$$\frac{12\sqrt{3} + 5}{37}$$

$$351) \frac{2}{11 + \sqrt{3}}$$

$$\frac{11 - \sqrt{3}}{59}$$

$$352) \frac{4}{-4 - \sqrt{7}}$$

$$\frac{-16 + 4\sqrt{7}}{9}$$

$$353) \frac{11}{\sqrt{5} + 5\sqrt{6}}$$

$$\frac{-11\sqrt{5} + 55\sqrt{6}}{145}$$

$$354) -\frac{8}{8 + \sqrt{3}}$$

$$\frac{-64 + 8\sqrt{3}}{61}$$

$$355) \frac{2}{4 + \sqrt{3}}$$

$$\frac{8 - 2\sqrt{3}}{13}$$

$$356) \frac{6}{11 - \sqrt{10}}$$

$$\frac{22 + 2\sqrt{10}}{37}$$

$$357) \frac{4}{5 - \sqrt{2}}$$

$$\frac{20 + 4\sqrt{2}}{23}$$

$$358) \frac{2}{\sqrt{3} + \sqrt{5}}$$

$$-\sqrt{3} + \sqrt{5}$$

$$359) \frac{\sqrt{5}}{10 + 11\sqrt{5}}$$

$$\frac{-2\sqrt{5} + 11}{101}$$

$$360) \frac{\sqrt{6}}{9 - \sqrt{5}}$$

$$\frac{9\sqrt{6} + \sqrt{30}}{76}$$

$$361) \frac{9}{2\sqrt{5} + 12\sqrt{6}}$$

$$\frac{-9\sqrt{5} + 54\sqrt{6}}{422}$$

$$362) \frac{8\sqrt{10}}{4 - 7\sqrt{5}}$$

$$\frac{-32\sqrt{10} - 280\sqrt{2}}{229}$$

$$363) \frac{10\sqrt{11}}{2 + \sqrt{11}}$$

$$\frac{-20\sqrt{11} + 110}{7}$$

$$364) \frac{6\sqrt{6}}{4 + 3\sqrt{5}}$$

$$\frac{-24\sqrt{6} + 18\sqrt{30}}{29}$$

$$365) \frac{4}{6 - 12\sqrt{10}}$$

$$\frac{-2 - 4\sqrt{10}}{117}$$

$$366) \frac{4\sqrt{2}}{9 + 8\sqrt{6}}$$

$$\frac{-36\sqrt{2} + 64\sqrt{3}}{303}$$

$$367) -\frac{11}{\sqrt{5} + 3}$$

$$\frac{11\sqrt{5} - 33}{4}$$

$$368) \frac{8}{11 + 8\sqrt{5}}$$

$$\frac{-88 + 64\sqrt{5}}{199}$$

$$369) \frac{9}{2 - 8\sqrt{7}}$$

$$\frac{-3 - 12\sqrt{7}}{74}$$

$$370) \frac{5}{-7 - 11\sqrt{6}}$$

$$\frac{35 - 55\sqrt{6}}{677}$$

$$371) \frac{6}{-12 - 11\sqrt{11}}$$

$$\frac{72 - 66\sqrt{11}}{1187}$$

$$372) \frac{7}{-10 - \sqrt{5}}$$

$$\frac{-70 + 7\sqrt{5}}{95}$$

$$373) \frac{3}{10 + 8\sqrt{10}}$$

$$\frac{-5 + 4\sqrt{10}}{90}$$

$$374) \frac{4}{-1 - 6\sqrt{11}}$$

$$\frac{4 - 24\sqrt{11}}{395}$$

$$375) \frac{2}{10\sqrt{5} + \sqrt{10}}$$

$$\frac{10\sqrt{5} - \sqrt{10}}{245}$$

$$376) \frac{2}{-4 - 6\sqrt{11}}$$

$$\frac{2 - 3\sqrt{11}}{95}$$

$$377) \frac{11}{\sqrt{6} + \sqrt{10}}$$

$$\frac{-11\sqrt{6} + 11\sqrt{10}}{4}$$

$$378) \frac{4}{\sqrt{3} + 3\sqrt{5}}$$

$$\frac{-2\sqrt{3} + 6\sqrt{5}}{21}$$

$$379) \frac{8}{-1 + 6\sqrt{10}}$$

$$\frac{8 + 48\sqrt{10}}{359}$$

$$380) \frac{4}{5 - 11\sqrt{5}}$$

$$\frac{-5 - 11\sqrt{5}}{145}$$

$$381) \frac{10}{7 - \sqrt{10}}$$

$$\frac{70 + 10\sqrt{10}}{39}$$

$$382) \frac{6}{3 + \sqrt{10}}$$

$$-18 + 6\sqrt{10}$$

$$383) \frac{2}{11 - \sqrt{6}}$$

$$\frac{22 + 2\sqrt{6}}{115}$$

$$384) \frac{4}{-6 - 6\sqrt{10}}$$

$$\frac{2 - 2\sqrt{10}}{27}$$

$$385) -\frac{11}{-8 + 4\sqrt{3}}$$

$$\frac{22 + 11\sqrt{3}}{4}$$

$$386) \frac{8}{10\sqrt{11} - 6\sqrt{6}}$$

$$\frac{20\sqrt{11} + 12\sqrt{6}}{221}$$

$$387) \frac{7}{12 - \sqrt{3}}$$

$$\frac{84 + 7\sqrt{3}}{141}$$

$$388) \frac{9}{2\sqrt{3} + \sqrt{6}}$$

$$\frac{6\sqrt{3} - 3\sqrt{6}}{2}$$

$$389) \frac{\sqrt{3}}{4\sqrt{5} + \sqrt{3}}$$

$$\frac{4\sqrt{15} - 3}{77}$$

$$390) \frac{4}{8\sqrt{11} - \sqrt{6}}$$

$$\frac{16\sqrt{11} + 2\sqrt{6}}{349}$$

$$391) \frac{2\sqrt{7}}{6-4\sqrt{6}}$$

$$\frac{-3\sqrt{7}-2\sqrt{42}}{15}$$

$$392) \frac{2}{6\sqrt{7}-2}$$

$$\frac{3\sqrt{7}+1}{62}$$

$$393) \frac{7\sqrt{7}}{\sqrt{6}+10}$$

$$\frac{-7\sqrt{42}+70\sqrt{7}}{94}$$

$$394) \frac{8\sqrt{5}}{-2+9\sqrt{6}}$$

$$\frac{8\sqrt{5}+36\sqrt{30}}{241}$$

$$395) \frac{10\sqrt{10}}{10-\sqrt{2}}$$

$$\frac{50\sqrt{10}+10\sqrt{5}}{49}$$

$$396) \frac{11}{8-3\sqrt{2}}$$

$$\frac{88+33\sqrt{2}}{46}$$

$$397) \frac{5\sqrt{5}}{\sqrt{7}-8\sqrt{11}}$$

$$\frac{-5\sqrt{35}-40\sqrt{55}}{697}$$

$$398) -\frac{6}{3+3\sqrt{3}}$$

$$1-\sqrt{3}$$

$$399) \frac{5}{4-\sqrt{10}}$$

$$\frac{20+5\sqrt{10}}{6}$$

$$400) \frac{8}{4+5\sqrt{6}}$$

$$\frac{-16+20\sqrt{6}}{67}$$

$$401) \frac{4}{-4 - 4\sqrt{6}}$$

$$\frac{1 - \sqrt{6}}{5}$$

$$402) \frac{5}{8\sqrt{2} + 5\sqrt{6}}$$

$$\frac{-40\sqrt{2} + 25\sqrt{6}}{22}$$

$$403) \frac{4}{-1 + 6\sqrt{5}}$$

$$\frac{4 + 24\sqrt{5}}{179}$$

$$404) \frac{5}{3\sqrt{6} - 7\sqrt{7}}$$

$$\frac{-15\sqrt{6} - 35\sqrt{7}}{289}$$

$$405) \frac{5}{2 + 5\sqrt{2}}$$

$$\frac{-10 + 25\sqrt{2}}{46}$$

$$406) \frac{4}{6 + 2\sqrt{5}}$$

$$\frac{3 - \sqrt{5}}{2}$$

$$407) \frac{3}{7\sqrt{3} + 2\sqrt{2}}$$

$$\frac{21\sqrt{3} - 6\sqrt{2}}{139}$$

$$408) -\frac{2}{2 + 3\sqrt{5}}$$

$$\frac{4 - 6\sqrt{5}}{41}$$

$$409) \frac{3}{5 + 7\sqrt{6}}$$

$$\frac{-15 + 21\sqrt{6}}{269}$$

$$410) \frac{2}{7 - 3\sqrt{7}}$$

$$\frac{-7 - 3\sqrt{7}}{7}$$

$$411) \frac{2}{6\sqrt{7} - 7\sqrt{6}}$$
$$\frac{-6\sqrt{7} - 7\sqrt{6}}{21}$$

$$412) \frac{3}{-6 + 5\sqrt{3}}$$
$$\frac{6 + 5\sqrt{3}}{13}$$

$$413) \frac{2}{-3 + 8\sqrt{2}}$$
$$\frac{6 + 16\sqrt{2}}{119}$$

$$414) \frac{6}{2 + 3\sqrt{3}}$$
$$\frac{-12 + 18\sqrt{3}}{23}$$

$$415) \frac{7}{4 - 6\sqrt{7}}$$
$$\frac{-14 - 21\sqrt{7}}{118}$$

$$416) \frac{4}{2\sqrt{2} - 8\sqrt{5}}$$
$$\frac{-\sqrt{2} - 4\sqrt{5}}{39}$$

$$417) \frac{8}{7\sqrt{2} + 2\sqrt{5}}$$
$$\frac{28\sqrt{2} - 8\sqrt{5}}{39}$$

$$418) \frac{3}{4\sqrt{7} + 5}$$
$$\frac{4\sqrt{7} - 5}{29}$$

$$419) -\frac{6\sqrt{5}}{-5 + 3\sqrt{6}}$$
$$\frac{-30\sqrt{5} - 18\sqrt{30}}{29}$$

$$420) \frac{4}{5\sqrt{7} + 2\sqrt{6}}$$
$$\frac{20\sqrt{7} - 8\sqrt{6}}{151}$$

$$421) \frac{4}{6 - 4\sqrt{3}}$$

$$\frac{-6 - 4\sqrt{3}}{3}$$

$$422) \frac{3\sqrt{6}}{-1 + 4\sqrt{6}}$$

$$\frac{3\sqrt{6} + 72}{95}$$

$$423) \frac{6\sqrt{3}}{5 - 7\sqrt{7}}$$

$$\frac{-5\sqrt{3} - 7\sqrt{21}}{53}$$

$$424) \frac{7\sqrt{3}}{2\sqrt{7} + 5\sqrt{3}}$$

$$\frac{-14\sqrt{21} + 105}{47}$$

$$425) \frac{7}{-5 - 8\sqrt{3}}$$

$$\frac{35 - 56\sqrt{3}}{167}$$

$$426) \frac{7\sqrt{7}}{3\sqrt{3} - 3}$$

$$\frac{7\sqrt{21} + 7\sqrt{7}}{6}$$

$$427) \frac{6}{-2 + 4\sqrt{2}}$$

$$\frac{3 + 6\sqrt{2}}{7}$$

$$428) -\frac{3}{2 + 3\sqrt{7}}$$

$$\frac{6 - 9\sqrt{7}}{59}$$

$$429) \frac{3\sqrt{3}}{4 + 6\sqrt{5}}$$

$$\frac{-6\sqrt{3} + 9\sqrt{15}}{82}$$

$$430) \frac{6}{2\sqrt{6} - 7}$$

$$\frac{-12\sqrt{6} - 42}{25}$$

$$431) -\frac{7}{4-4\sqrt{2}}$$
$$\frac{7+7\sqrt{2}}{4}$$

$$432) \frac{5}{5-6\sqrt{5}}$$
$$\frac{-5-6\sqrt{5}}{31}$$

$$433) -\frac{2}{8\sqrt{7}+5\sqrt{2}}$$
$$\frac{-8\sqrt{7}+5\sqrt{2}}{199}$$

$$434) \frac{5}{4\sqrt{7}+2}$$
$$\frac{10\sqrt{7}-5}{54}$$

$$435) \frac{5}{7\sqrt{6}-3\sqrt{2}}$$
$$\frac{35\sqrt{6}+15\sqrt{2}}{276}$$

$$436) \frac{2}{8\sqrt{3}-8}$$
$$\frac{\sqrt{3}+1}{8}$$

$$437) \frac{3}{-7+3\sqrt{7}}$$
$$\frac{21+9\sqrt{7}}{14}$$

$$438) \frac{4}{5+3\sqrt{7}}$$
$$\frac{-10+6\sqrt{7}}{19}$$

$$439) \frac{4}{2+2\sqrt{7}}$$
$$\frac{-1+\sqrt{7}}{3}$$

$$440) \frac{2}{5+8\sqrt{3}}$$
$$\frac{-10+16\sqrt{3}}{167}$$

$$441) \frac{3}{-2 + 2\sqrt{6}}$$

$$\frac{3 + 3\sqrt{6}}{10}$$

$$442) \frac{5}{2 + 6\sqrt{5}}$$

$$\frac{-5 + 15\sqrt{5}}{88}$$

$$443) \frac{6}{-3 + 6\sqrt{7}}$$

$$\frac{2 + 4\sqrt{7}}{27}$$

$$444) \frac{3}{6\sqrt{7} - 6\sqrt{6}}$$

$$\frac{\sqrt{7} + \sqrt{6}}{2}$$

$$445) -\frac{2}{2\sqrt{5} + 6}$$

$$\frac{\sqrt{5} - 3}{4}$$

$$446) \frac{2}{3 - 6\sqrt{6}}$$

$$\frac{-2 - 4\sqrt{6}}{69}$$

$$447) \frac{2}{7\sqrt{3} + 3\sqrt{2}}$$

$$\frac{14\sqrt{3} - 6\sqrt{2}}{129}$$

$$448) \frac{2}{5 + 5\sqrt{5}}$$

$$\frac{-1 + \sqrt{5}}{10}$$

$$449) \frac{7}{4 + 5\sqrt{2}}$$

$$\frac{-28 + 35\sqrt{2}}{34}$$

$$450) \frac{4}{6 - 4\sqrt{5}}$$

$$\frac{-6 - 4\sqrt{5}}{11}$$

$$451) \frac{5}{-3 + 2\sqrt{7}}$$

$$\frac{15 + 10\sqrt{7}}{19}$$

$$452) -\frac{2\sqrt{2}}{4\sqrt{3} - 7\sqrt{2}}$$

$$\frac{4\sqrt{6} + 14}{25}$$

$$453) -\frac{3\sqrt{5}}{3 - 3\sqrt{3}}$$

$$\frac{\sqrt{5} + \sqrt{15}}{2}$$

$$454) \frac{8\sqrt{6}}{7 + 2\sqrt{3}}$$

$$\frac{56\sqrt{6} - 48\sqrt{2}}{37}$$

$$455) \frac{6\sqrt{5}}{-2 - 5\sqrt{6}}$$

$$\frac{6\sqrt{5} - 15\sqrt{30}}{73}$$

$$456) \frac{2\sqrt{6}}{3\sqrt{2} - 8}$$

$$\frac{-6\sqrt{3} - 8\sqrt{6}}{23}$$

$$457) \frac{7}{8 - 7\sqrt{2}}$$

$$\frac{-56 - 49\sqrt{2}}{34}$$

$$458) \frac{3\sqrt{7}}{2 + 7\sqrt{6}}$$

$$\frac{-6\sqrt{7} + 21\sqrt{42}}{290}$$

$$459) \frac{7}{-1 - 6\sqrt{6}}$$

$$\frac{7 - 42\sqrt{6}}{215}$$

$$460) \frac{2}{4 + 2\sqrt{5}}$$

$$-2 + \sqrt{5}$$

$$461) \frac{5}{5 + 7\sqrt{2}}$$
$$\frac{-25 + 35\sqrt{2}}{73}$$

$$462) \frac{6}{6 - 4\sqrt{2}}$$
$$9 + 6\sqrt{2}$$

$$463) \frac{6}{4 + 6\sqrt{3}}$$
$$\frac{-6 + 9\sqrt{3}}{23}$$

$$464) -\frac{5}{5 - 4\sqrt{2}}$$
$$\frac{25 + 20\sqrt{2}}{7}$$

$$465) \frac{5}{6 + 5\sqrt{2}}$$
$$\frac{-30 + 25\sqrt{2}}{14}$$

$$466) -\frac{3}{8 - 2\sqrt{7}}$$
$$\frac{-4 - \sqrt{7}}{6}$$

$$467) \frac{6}{5\sqrt{5} + 8\sqrt{7}}$$
$$\frac{-30\sqrt{5} + 48\sqrt{7}}{323}$$

$$468) \frac{4}{6 + 3\sqrt{2}}$$
$$\frac{4 - 2\sqrt{2}}{3}$$

$$469) \frac{4}{3 - 6\sqrt{6}}$$
$$\frac{-4 - 8\sqrt{6}}{69}$$

$$470) -\frac{1}{3 - 7\sqrt{2}}$$
$$\frac{3 + 7\sqrt{2}}{89}$$

$$471) \frac{3}{-5 + 2\sqrt{6}}$$
$$\frac{-15 - 6\sqrt{6}}{22}$$

$$472) \frac{4}{6 - 6\sqrt{6}}$$
$$\frac{-2 - 2\sqrt{6}}{15}$$

$$473) \frac{3}{2 + 4\sqrt{3}}$$
$$\frac{-3 + 6\sqrt{3}}{22}$$

$$474) \frac{2}{8 + 2\sqrt{5}}$$
$$\frac{4 - \sqrt{5}}{11}$$

$$475) \frac{3}{2 - 4\sqrt{2}}$$
$$\frac{-3 - 6\sqrt{2}}{14}$$

$$476) \frac{2}{-4 - 8\sqrt{5}}$$
$$\frac{1 - 2\sqrt{5}}{38}$$

$$477) \frac{2}{-2 + 5\sqrt{6}}$$
$$\frac{2 + 5\sqrt{6}}{73}$$

$$478) -\frac{6}{5 - 7\sqrt{5}}$$
$$\frac{15 + 21\sqrt{5}}{110}$$

$$479) \frac{5}{2 - 7\sqrt{5}}$$
$$\frac{-10 - 35\sqrt{5}}{241}$$

$$480) \frac{2}{5\sqrt{7} - 7\sqrt{6}}$$
$$\frac{-10\sqrt{7} - 14\sqrt{6}}{119}$$

$$481) \frac{8}{7 + 2\sqrt{2}}$$

$$\frac{56 - 16\sqrt{2}}{41}$$

$$482) \frac{7\sqrt{6}}{-4 + 5\sqrt{5}}$$

$$\frac{28\sqrt{6} + 35\sqrt{30}}{109}$$

$$483) \frac{8\sqrt{6}}{-4 - 8\sqrt{7}}$$

$$\frac{2\sqrt{6} - 4\sqrt{42}}{27}$$

$$484) -\frac{5\sqrt{3}}{4 + 7\sqrt{2}}$$

$$\frac{20\sqrt{3} - 35\sqrt{6}}{82}$$

$$485) \frac{2\sqrt{5}}{8 - 8\sqrt{6}}$$

$$\frac{-\sqrt{5} - \sqrt{30}}{20}$$

$$486) \frac{5\sqrt{6}}{8\sqrt{6} + 3\sqrt{7}}$$

$$\frac{80 - 5\sqrt{42}}{107}$$

$$487) \frac{5\sqrt{2}}{2\sqrt{6} + 3\sqrt{5}}$$

$$\frac{-20\sqrt{3} + 15\sqrt{10}}{21}$$

$$488) \frac{7}{5\sqrt{5} - 6}$$

$$\frac{35\sqrt{5} + 42}{89}$$

$$489) \frac{7}{6 + 3\sqrt{2}}$$

$$\frac{14 - 7\sqrt{2}}{6}$$

$$490) -\frac{8\sqrt{7}}{4 + 7\sqrt{6}}$$

$$\frac{16\sqrt{7} - 28\sqrt{42}}{139}$$

$$491) \frac{6}{-8 + 8\sqrt{6}}$$
$$\frac{3 + 3\sqrt{6}}{20}$$

$$492) \frac{6}{4 - 2\sqrt{5}}$$
$$-6 - 3\sqrt{5}$$

$$493) \frac{7}{3 - 2\sqrt{6}}$$
$$\frac{-21 - 14\sqrt{6}}{15}$$

$$494) \frac{5}{-2 + 7\sqrt{7}}$$
$$\frac{10 + 35\sqrt{7}}{339}$$

$$495) \frac{6}{3 + 7\sqrt{5}}$$
$$\frac{-9 + 21\sqrt{5}}{118}$$

$$496) -\frac{1}{3 + 8\sqrt{5}}$$
$$\frac{3 - 8\sqrt{5}}{311}$$

$$497) \frac{5}{5 - 7\sqrt{3}}$$
$$\frac{-25 - 35\sqrt{3}}{122}$$

$$498) -\frac{8}{4 - 5\sqrt{6}}$$
$$\frac{16 + 20\sqrt{6}}{67}$$

$$499) \frac{4}{3 + 4\sqrt{3}}$$
$$\frac{-12 + 16\sqrt{3}}{39}$$

$$500) \frac{5}{6 + 5\sqrt{5}}$$
$$\frac{-30 + 25\sqrt{5}}{89}$$

$$501) \frac{14}{-9 - 11\sqrt{13}}$$

$$\frac{63 - 77\sqrt{13}}{746}$$

$$502) \frac{6}{10 + 19\sqrt{10}}$$

$$\frac{-10 + 19\sqrt{10}}{585}$$

$$503) \frac{20}{-5 + 20\sqrt{17}}$$

$$\frac{4 + 16\sqrt{17}}{271}$$

$$504) \frac{6}{3 - 9\sqrt{11}}$$

$$\frac{-1 - 3\sqrt{11}}{49}$$

$$505) \frac{20}{4 + 5\sqrt{10}}$$

$$\frac{-40 + 50\sqrt{10}}{117}$$

$$506) \frac{10}{19 - 6\sqrt{7}}$$

$$\frac{190 + 60\sqrt{7}}{109}$$

$$507) \frac{11}{2 + 2\sqrt{19}}$$

$$\frac{-11 + 11\sqrt{19}}{36}$$

$$508) \frac{11}{11\sqrt{7} - 16}$$

$$\frac{121\sqrt{7} + 176}{591}$$

$$509) \frac{4}{2 + 3\sqrt{10}}$$

$$\frac{-4 + 6\sqrt{10}}{43}$$

$$510) \frac{4}{-14 - 14\sqrt{19}}$$

$$\frac{1 - \sqrt{19}}{63}$$

$$511) \frac{6}{18 - 18\sqrt{13}}$$

$$\frac{-1 - \sqrt{13}}{36}$$

$$512) \frac{4\sqrt{15}}{16 + 20\sqrt{3}}$$

$$\frac{-4\sqrt{15} + 15\sqrt{5}}{59}$$

$$513) \frac{7\sqrt{19}}{11 - 15\sqrt{14}}$$

$$\frac{-77\sqrt{19} - 105\sqrt{266}}{3029}$$

$$514) -\frac{\sqrt{11}}{10 - 8\sqrt{5}}$$

$$\frac{5\sqrt{11} + 4\sqrt{55}}{110}$$

$$515) \frac{20\sqrt{6}}{17 - 18\sqrt{7}}$$

$$\frac{-340\sqrt{6} - 360\sqrt{42}}{1979}$$

$$516) -\frac{18\sqrt{5}}{5 + 15\sqrt{13}}$$

$$\frac{9\sqrt{5} - 27\sqrt{65}}{290}$$

$$517) \frac{10}{2 + 11\sqrt{6}}$$

$$\frac{-10 + 55\sqrt{6}}{361}$$

$$518) \frac{13\sqrt{10}}{18 - 12\sqrt{15}}$$

$$\frac{-39\sqrt{10} - 130\sqrt{6}}{306}$$

$$519) \frac{7}{3 - 13\sqrt{7}}$$

$$\frac{-21 - 91\sqrt{7}}{1174}$$

$$520) \frac{14}{-6 - 5\sqrt{6}}$$

$$\frac{42 - 35\sqrt{6}}{57}$$

$$521) \frac{12}{14\sqrt{6} + 20}$$

$$\frac{21\sqrt{6} - 30}{97}$$

$$522) \frac{13}{4 - 2\sqrt{15}}$$

$$\frac{-26 - 13\sqrt{15}}{22}$$

$$523) \frac{6}{16 + 12\sqrt{2}}$$

$$\frac{-12 + 9\sqrt{2}}{4}$$

$$524) \frac{7}{7 + 16\sqrt{6}}$$

$$\frac{-49 + 112\sqrt{6}}{1487}$$

$$525) \frac{3}{17 - 10\sqrt{2}}$$

$$\frac{51 + 30\sqrt{2}}{89}$$

$$526) \frac{5}{16 - 3\sqrt{3}}$$

$$\frac{80 + 15\sqrt{3}}{229}$$

$$527) \frac{5}{20 + 11\sqrt{6}}$$

$$\frac{-100 + 55\sqrt{6}}{326}$$

$$528) \frac{11}{-8 - 19\sqrt{3}}$$

$$\frac{88 - 209\sqrt{3}}{1019}$$

$$529) \frac{17}{9\sqrt{10} + 6}$$

$$\frac{51\sqrt{10} - 34}{258}$$

$$530) \frac{16}{5\sqrt{3} - 7}$$

$$\frac{40\sqrt{3} + 56}{13}$$

$$531) \frac{10}{-2 + 16\sqrt{5}}$$

$$\frac{5 + 40\sqrt{5}}{319}$$

$$532) \frac{10}{4 + 6\sqrt{19}}$$

$$\frac{-10 + 15\sqrt{19}}{167}$$

$$533) \frac{7}{11 - 14\sqrt{5}}$$

$$\frac{-77 - 98\sqrt{5}}{859}$$

$$534) \frac{9}{13 - 3\sqrt{3}}$$

$$\frac{117 + 27\sqrt{3}}{142}$$

$$535) \frac{8}{17 - 19\sqrt{5}}$$

$$\frac{-34 - 38\sqrt{5}}{379}$$

$$536) \frac{15}{13 + 11\sqrt{19}}$$

$$\frac{-13 + 11\sqrt{19}}{142}$$

$$537) \frac{12}{6 - 9\sqrt{19}}$$

$$\frac{-8 - 12\sqrt{19}}{167}$$

$$538) \frac{14}{3 - 19\sqrt{17}}$$

$$\frac{-21 - 133\sqrt{17}}{3064}$$

$$539) \frac{13}{-10 - 13\sqrt{19}}$$

$$\frac{130 - 169\sqrt{19}}{3111}$$

$$540) \frac{14}{19 + 8\sqrt{2}}$$

$$\frac{266 - 112\sqrt{2}}{233}$$

$$541) \frac{11}{4 + 6\sqrt{2}}$$

$$\frac{-22 + 33\sqrt{2}}{28}$$

$$542) \frac{19}{-2 + 12\sqrt{17}}$$

$$\frac{19 + 114\sqrt{17}}{1222}$$

$$543) \frac{4\sqrt{5}}{17 + 19\sqrt{6}}$$

$$\frac{-68\sqrt{5} + 76\sqrt{30}}{1877}$$

$$544) -\frac{4\sqrt{7}}{16 + 20\sqrt{3}}$$

$$\frac{4\sqrt{7} - 5\sqrt{21}}{59}$$

$$545) \frac{17\sqrt{2}}{8\sqrt{19} + 8\sqrt{3}}$$

$$\frac{17\sqrt{38} - 17\sqrt{6}}{128}$$

$$546) \frac{10}{16 + 16\sqrt{10}}$$

$$\frac{-5 + 5\sqrt{10}}{72}$$

$$547) \frac{7\sqrt{19}}{12\sqrt{17} - 16}$$

$$\frac{21\sqrt{323} + 28\sqrt{19}}{548}$$

$$548) \frac{2}{-20 + 3\sqrt{15}}$$

$$\frac{-40 - 6\sqrt{15}}{265}$$

$$549) -\frac{6\sqrt{19}}{6\sqrt{10} - 11\sqrt{17}}$$

$$\frac{36\sqrt{190} + 66\sqrt{323}}{1697}$$

$$550) -\frac{19\sqrt{10}}{-8 - 12\sqrt{14}}$$

$$\frac{-19\sqrt{10} + 57\sqrt{35}}{244}$$

$$551) \frac{17}{-18 - 3\sqrt{7}}$$

$$\frac{-102 + 17\sqrt{7}}{87}$$

$$552) \frac{20}{16 - 15\sqrt{7}}$$

$$\frac{-320 - 300\sqrt{7}}{1319}$$

$$553) \frac{15}{20\sqrt{15} + 12}$$

$$\frac{25\sqrt{15} - 15}{488}$$

$$554) \frac{18}{-16 + 8\sqrt{19}}$$

$$\frac{6 + 3\sqrt{19}}{20}$$

$$555) \frac{15}{16 + 16\sqrt{17}}$$

$$\frac{-15 + 15\sqrt{17}}{256}$$

$$556) \frac{18}{15 + 2\sqrt{3}}$$

$$\frac{90 - 12\sqrt{3}}{71}$$

$$557) \frac{4}{16 + 16\sqrt{13}}$$

$$\frac{-1 + \sqrt{13}}{48}$$

$$558) \frac{14}{4 + 13\sqrt{19}}$$

$$\frac{-56 + 182\sqrt{19}}{3195}$$

$$559) \frac{12}{7 - 3\sqrt{14}}$$

$$\frac{-84 - 36\sqrt{14}}{77}$$

$$560) \frac{20}{14\sqrt{17} + 17}$$

$$\frac{280\sqrt{17} - 340}{3043}$$

$$561) \frac{5}{13 + 19\sqrt{17}}$$

$$\frac{-65 + 95\sqrt{17}}{5968}$$

$$562) \frac{19}{9 - 8\sqrt{14}}$$

$$\frac{-171 - 152\sqrt{14}}{815}$$

$$563) \frac{18}{-18 - 17\sqrt{5}}$$

$$\frac{324 - 306\sqrt{5}}{1121}$$

$$564) \frac{3}{-16 - 6\sqrt{14}}$$

$$\frac{24 - 9\sqrt{14}}{124}$$

$$565) \frac{4}{19 + 9\sqrt{19}}$$

$$\frac{-38 + 18\sqrt{19}}{589}$$

$$566) \frac{17}{10 - 11\sqrt{14}}$$

$$\frac{-170 - 187\sqrt{14}}{1594}$$

$$567) \frac{20}{5 + 11\sqrt{19}}$$

$$\frac{-50 + 110\sqrt{19}}{1137}$$

$$568) \frac{3}{10 - 17\sqrt{14}}$$

$$\frac{-30 - 51\sqrt{14}}{3946}$$

$$569) \frac{17}{-20 - 19\sqrt{14}}$$

$$\frac{340 - 323\sqrt{14}}{4654}$$

$$570) \frac{16}{13 + 16\sqrt{3}}$$

$$\frac{-208 + 256\sqrt{3}}{599}$$

$$571) \frac{2}{-3 + 11\sqrt{11}}$$

$$\frac{3 + 11\sqrt{11}}{661}$$

$$572) \frac{12}{3 + 8\sqrt{13}}$$

$$\frac{-36 + 96\sqrt{13}}{823}$$

$$573) \frac{16\sqrt{17}}{13 + 20\sqrt{5}}$$

$$\frac{-208\sqrt{17} + 320\sqrt{85}}{1831}$$

$$574) \frac{18\sqrt{13}}{-8 + 11\sqrt{6}}$$

$$\frac{72\sqrt{13} + 99\sqrt{78}}{331}$$

$$575) -\frac{6\sqrt{19}}{8 - 20\sqrt{6}}$$

$$\frac{6\sqrt{19} + 15\sqrt{114}}{292}$$

$$576) \frac{19\sqrt{13}}{3 - 8\sqrt{14}}$$

$$\frac{-57\sqrt{13} - 152\sqrt{182}}{887}$$

$$577) \frac{17}{3 + 19\sqrt{10}}$$

$$\frac{-51 + 323\sqrt{10}}{3601}$$

$$578) -\frac{8\sqrt{10}}{3 - 5\sqrt{10}}$$

$$\frac{24\sqrt{10} + 400}{241}$$

$$579) \frac{2\sqrt{7}}{-2 + 15\sqrt{3}}$$

$$\frac{4\sqrt{7} + 30\sqrt{21}}{671}$$

$$580) \frac{20}{-14 + 20\sqrt{15}}$$

$$\frac{70 + 100\sqrt{15}}{1451}$$

$$581) \frac{19}{17\sqrt{10} - 6}$$
$$\frac{323\sqrt{10} + 114}{2854}$$

$$582) \frac{4}{-5 + 6\sqrt{15}}$$
$$\frac{20 + 24\sqrt{15}}{515}$$

$$583) \frac{5}{-11 - 9\sqrt{13}}$$
$$\frac{55 - 45\sqrt{13}}{932}$$

$$584) \frac{4}{16 + 2\sqrt{10}}$$
$$\frac{8 - \sqrt{10}}{27}$$

$$585) \frac{12}{3 - 13\sqrt{17}}$$
$$\frac{-9 - 39\sqrt{17}}{716}$$

$$586) -\frac{20}{14 + 3\sqrt{7}}$$
$$\frac{-280 + 60\sqrt{7}}{133}$$

$$587) \frac{2}{14 - 8\sqrt{7}}$$
$$\frac{-7 - 4\sqrt{7}}{63}$$

$$588) \frac{9}{18 + 19\sqrt{10}}$$
$$\frac{-162 + 171\sqrt{10}}{3286}$$

$$589) \frac{3}{5 + 6\sqrt{17}}$$
$$\frac{-15 + 18\sqrt{17}}{587}$$

$$590) \frac{8}{6 - 6\sqrt{7}}$$
$$\frac{-2 - 2\sqrt{7}}{9}$$

$$591) \frac{2}{9 + 4\sqrt{3}}$$

$$\frac{18 - 8\sqrt{3}}{33}$$

$$592) \frac{7}{20 + 12\sqrt{5}}$$

$$\frac{-35 + 21\sqrt{5}}{80}$$

$$593) \frac{9}{-16 - 19\sqrt{5}}$$

$$\frac{144 - 171\sqrt{5}}{1549}$$

$$594) \frac{13}{-9 - 11\sqrt{7}}$$

$$\frac{117 - 143\sqrt{7}}{766}$$

$$595) \frac{7}{14 + 12\sqrt{11}}$$

$$\frac{-49 + 42\sqrt{11}}{694}$$

$$596) \frac{13}{-17 - 3\sqrt{11}}$$

$$\frac{-221 + 39\sqrt{11}}{190}$$

$$597) \frac{6}{18 - 9\sqrt{6}}$$

$$\frac{-2 - \sqrt{6}}{3}$$

$$598) \frac{5}{14 + 3\sqrt{6}}$$

$$\frac{70 - 15\sqrt{6}}{142}$$

$$599) \frac{7}{15\sqrt{15} + 10}$$

$$\frac{21\sqrt{15} - 14}{655}$$

$$600) \frac{9}{3 + 17\sqrt{11}}$$

$$\frac{-27 + 153\sqrt{11}}{3170}$$