

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

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

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

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

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

Solve the following.

6) $x^2 - 64 = 0$

7) $2x^2 - 1 = 11$

8) $x^2 - 16 = 0$

9) $\frac{1}{3}x^2 - 8 = 16$

10) $(x + 3)^3 = 121$