

Must show all steps and all work to earn full credit.

Rationalize the denominator. Assume that all variables represent positive real numbers.

$$1) -\sqrt{\frac{25}{8}}$$

Rationalize the denominator. Assume that all variables represent positive real numbers and that the denominator is not zero.

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

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

Write the expression in lowest terms. Assume that all variables represent positive real numbers.

$$4) \frac{48 - 30\sqrt{18}}{18}$$

$$5) \frac{6z + \sqrt{24z^3}}{3z}$$