

Rationalizing the Denominator - Radicals (Practice)

Date _____

Simplify.

1) $\frac{9\sqrt{9}}{\sqrt{54}}$

2) $\frac{9\sqrt{40}}{\sqrt{30}}$

3) $\frac{3\sqrt{45}}{\sqrt{18}}$

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

$$5) \frac{8\sqrt{7} + \sqrt{10}}{5\sqrt{21}}$$

$$6) \frac{3 - \sqrt{10}}{10 + 8\sqrt{3}}$$

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

$$8) \frac{\sqrt{3} - 10}{-8 + \sqrt{2}}$$