

Multiplying and Rationalizing Radicals

Date: _____ Hour: _____

Simplify.

1) $\sqrt{6} \cdot 3\sqrt{10}$

2) $\sqrt{2} \cdot \sqrt{5}$

3) $\sqrt{10} \cdot \sqrt{10}$

4) $\sqrt{6} \cdot -\sqrt{10}$

5) $\frac{\sqrt{12}}{\sqrt{27}}$

6) $\frac{\sqrt{5}}{\sqrt{16}}$

7) $\frac{\sqrt{4}}{\sqrt{16}}$

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

Answers to Multiplying and Rationalizing Radicals

1) $6\sqrt{15}$

2) $\sqrt{10}$

3) 10

4) $-2\sqrt{15}$

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

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

7) $\frac{1}{2}$

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