

Multiplying Radicals - Practice

Simplify.

1) $\sqrt{3} \cdot \sqrt{2}$

2) $2\sqrt{6} \cdot \sqrt{6}$

3) $4\sqrt{6} \cdot 4\sqrt{8}$

4) $3\sqrt{4} \cdot \sqrt{8}$

5) $-\sqrt{12} \cdot -5\sqrt{6}$

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

$$7) \sqrt{3}(2 - 3\sqrt{6})$$

$$8) \sqrt{10}(3 + \sqrt{2})$$

$$9) \sqrt{5}(-2\sqrt{5} + \sqrt{6})$$

$$10) 2\sqrt{6}(\sqrt{2} + 4)$$

$$11) \sqrt{10}(4\sqrt{2} + 4)$$

$$12) -5\sqrt{6}(5 + 2\sqrt{2})$$