

Multiplying Square Roots

Simplify.

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

2) $\sqrt{10} \cdot \sqrt{2}$

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

4) $\sqrt{20} \cdot \sqrt{10}$

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

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

7) $2\sqrt{2} \cdot \sqrt{12}$

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

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

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

11) $\sqrt{6} \cdot -\sqrt{9}$

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

$$13) \sqrt{15}(\sqrt{3} + 2)$$

$$14) \sqrt{6}(\sqrt{2} + \sqrt{3})$$

$$15) \sqrt{10}(\sqrt{10} + 2)$$

$$16) \sqrt{5}(\sqrt{5} + 3)$$

$$17) \sqrt{5}(5 + \sqrt{5})$$

$$18) \sqrt{15}(\sqrt{3} + \sqrt{10})$$

$$19) -5\sqrt{3}(2 + \sqrt{5})$$

$$20) \sqrt{3}(5 + \sqrt{2})$$

$$21) \sqrt{10}(4\sqrt{2} + \sqrt{5})$$

$$22) 3\sqrt{6}(\sqrt{10} - \sqrt{3})$$

$$23) -4\sqrt{5}(4 - 3\sqrt{10})$$

$$24) \sqrt{5}(-4\sqrt{6} + \sqrt{10})$$