

Simplify.

1) $\sqrt{48}$

2) $\sqrt{12}$

3) $\sqrt{27}$

4) $\sqrt{20}$

5) $\sqrt{64}$

6) $\sqrt{80}$

7) $3\sqrt{6} + 2\sqrt{6} + 2\sqrt{12}$

8) $3\sqrt{2} + 2\sqrt{18} + 2\sqrt{18}$

9) $-\sqrt{8} - 2\sqrt{20} - \sqrt{45}$

10) $-3\sqrt{6} - \sqrt{2} + 2\sqrt{2}$

$$11) -3\sqrt{15} \cdot \sqrt{3}$$

$$12) \sqrt{12} \cdot \sqrt{3}$$

$$13) \sqrt{5} \cdot \sqrt{2}$$

$$14) -4\sqrt{2} \cdot \sqrt{6}$$

$$15) \sqrt{5}(\sqrt{10} + 4)$$

$$16) \sqrt{6}(\sqrt{3} + \sqrt{2})$$

$$17) \sqrt{6}(2 + \sqrt{6})$$

$$18) (4\sqrt{5} + \sqrt{2})(\sqrt{4} + \sqrt{2})$$

$$19) (2 + \sqrt{3})(4 - 4\sqrt{3})$$

$$20) (-1 + \sqrt{2})^2$$