

1. $\sqrt{36} = ?$

6×6

Answer: 6

2. $\sqrt{81} = ?$

9×9

Answer: 9

3. Simplify $\sqrt{12}$.

4×3 ; $\sqrt{4} = 2$

Answer: $2\sqrt{3}$

4. Simplify $\sqrt{50}$.

25×2

Answer: $5\sqrt{2}$

5. Simplify $\sqrt{72}$.

36×2

Answer: $6\sqrt{2}$

6. $2\sqrt{3} + 5\sqrt{3} = ?$

Like radicals: add coefficients

Answer: $7\sqrt{3}$

7. $\sqrt{8} + \sqrt{2} = ?$

$\sqrt{8} = 2\sqrt{2}$

$2\sqrt{2} + \sqrt{2}$

Answer: $3\sqrt{2}$

8. $\sqrt{5} \cdot \sqrt{20} = ?$

$\sqrt{100}$

Answer: 10

9. Simplify $\sqrt{18} + \sqrt{50}$. ★ challenge

$3\sqrt{2} + 5\sqrt{2}$

Answer: $8\sqrt{2}$

10. Simplify $3\sqrt{8} - \sqrt{2} + \sqrt{32}$. ★ challenge

$6\sqrt{2} - \sqrt{2} + 4\sqrt{2}$

Answer: $9\sqrt{2}$