

Solving Literal Equations & Radical Equations Practice

I. Solve each equation for the indicated variable.

1. Solve: $6 = mx + b$ for x .

2. Solve: $x = \frac{4 - k}{6}$ for k .

3. Solve: $A = P + Prt$ for t .

4. Solve: $3x - 4y = 12$ for y .

II. Solve each equation. Be sure to check solutions.

5. $2\sqrt{3x + 4} + 1 = 15$

6. $12 + \sqrt{2x - 1} = 4$

7. $\sqrt{21} - \sqrt{5x - 4} = 0$

8. $10 - \sqrt{2x} = 5$

9. $\sqrt{6x - 4} = \sqrt{2x + 10}$