

Convert each equation from standard form to slope-intercept form ($y = mx + b$). Identify the slope and the y -intercept for each equation.

1. $-4x + 9y = 45$

2. $6x - 2y = -52$

3. $12x + 28y = -84$

Convert each equation from slope-intercept form to standard form ($Ax + By = C$). Find the x -intercept and y -intercept. Write the intercepts as ordered pairs.

4. $y = \frac{2}{3}x - 6$

5. $y = -5x - 13$

6. $y = \frac{3}{4}x + 10$

Solve each equation for the indicated variable.

7. $A = \frac{1}{2}h(a+b)$ Solve for h .

8. $A = \pi r^2 h$ Solve for r .

9. $w = \frac{xy}{z}$ Solve for x .