

3.3 Literal Equations Extra Practice

Name _____

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

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

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

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

Convert each equation from slope-intercept form to standard form. ($Ax + By = C$) Then give the x and y-intercepts.

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

5. $y = -5x - 13$

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

Solve each equation for the variable indicated.

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

8. $A = \pi r^2 h$ Solve for π .

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