

Graphing Worksheet 45 Answers

1. Point-Slope Form:

$$y + 10 = -\frac{4}{9}(x + 10)$$

Slope-Intercept Form:

$$y = -\frac{4}{9}x - \frac{130}{9}$$

Standard Form:

$$4x + 9y = -130$$

2. Point-Slope Form:

$$y + 2 = \frac{3}{2}(x - 9)$$

Slope-Intercept Form:

$$y = \frac{3}{2}x - \frac{31}{2}$$

Standard Form:

$$3x - 2y = 31$$

3. Point-Slope Form:

$$y - 3 = -\frac{9}{10}(x - 0)$$

Slope-Intercept Form:

$$y = -\frac{9}{10}x + 3$$

Standard Form:

$$9x + 10y = 30$$

4. Point-Slope Form:

$$y - 8 = -\frac{10}{7}(x - 4)$$

Slope-Intercept Form:

$$y = -\frac{10}{7}x + \frac{96}{7}$$

Standard Form:

$$10x + 7y = 96$$

5. Point-Slope Form:

$$y - 6 = \frac{3}{4}(x + 10)$$

Slope-Intercept Form:

$$y = \frac{3}{4}x + \frac{27}{2}$$

Standard Form:

$$3x - 4y = -54$$

6. Point-Slope Form:

$$y - 9 = \frac{9}{4}(x + 6)$$

Slope-Intercept Form:

$$y = \frac{9}{4}x + \frac{45}{2}$$

Standard Form:

$$9x - 4y = -90$$

7. Point-Slope Form:

$$y + 6 = \frac{1}{2}(x + 10)$$

$$y - 4 = \frac{1}{2}(x - 10)$$

Slope-Intercept Form:

$$y = \frac{1}{2}x - 1$$

Standard Form:

$$x - 2y = 2$$

8. Point-Slope Form:

$$y + 1 = -\frac{4}{9}(x + 2)$$

$$y + 5 = -\frac{4}{9}(x - 7)$$

Slope-Intercept Form:

$$y = -\frac{4}{9}x - \frac{17}{9}$$

Standard Form:

$$4x + 9y = -17$$

9. Point-Slope Form:

$$y + 8 = 3(x + 6)$$

$$y + 2 = 3(x + 4)$$

Slope-Intercept Form:

$$y = 3x + 10$$

Standard Form:

$$3x - y = -10$$

10. Point-Slope Form:

$$y - 5 = \frac{2}{5}(x - 0)$$

$$y - 1 = \frac{2}{5}(x + 10)$$

Slope-Intercept Form:

$$y = \frac{2}{5}x + 5$$

Standard Form:

$$2x - 5y = -25$$

11. Point-Slope Form:

$$y + 3 = \frac{4}{11}(x + 1)$$

$$y - 1 = \frac{4}{11}(x - 10)$$

Slope-Intercept Form:

$$y = \frac{4}{11}x - \frac{29}{11}$$

Standard Form:

$$4x - 11y = 29$$

12. Point-Slope Form:

$$y + 6 = -\frac{7}{12}(x - 9)$$

$$y - 1 = -\frac{7}{12}(x + 3)$$

Slope-Intercept Form:

$$y = -\frac{7}{12}x - \frac{3}{4}$$

Standard Form:

$$7x + 12y = -9$$