

Graphing Worksheet 43 Answers

1. Point-Slope Form:

$$y + 9 = -2(x + 6)$$

Slope-Intercept Form:

$$y = -2x - 21$$

Standard Form:

$$2x + y = -21$$

4. Point-Slope Form:

$$y + 8 = -\frac{3}{2}(x + 5)$$

Slope-Intercept Form:

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

Standard Form:

$$3x + 2y = -31$$

2. Point-Slope Form:

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

Slope-Intercept Form:

$$y = -\frac{1}{2}x - 3$$

Standard Form:

$$x + 2y = -6$$

5. Point-Slope Form:

$$y - 7 = -1(x - 2)$$

Slope-Intercept Form:

$$y = -x + 9$$

Standard Form:

$$x + y = 9$$

3. Point-Slope Form:

$$y - 7 = \frac{2}{5}(x - 9)$$

Slope-Intercept Form:

$$y = \frac{2}{5}x + \frac{17}{5}$$

Standard Form:

$$2x - 5y = -17$$

6. Point-Slope Form:

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

Slope-Intercept Form:

$$y = 4x - 15$$

Standard Form:

$$4x - y = 15$$

7. Point-Slope Form:

$$y - 5 = \frac{7}{17}(x - 7)$$

$$y + 2 = \frac{7}{17}(x + 10)$$

Slope-Intercept Form:

$$y = \frac{7}{17}x + \frac{36}{17}$$

Standard Form:

$$7x - 17y = -36$$

8. Point-Slope Form:

$$y + 6 = \frac{5}{13}(x + 7)$$

$$y + 1 = \frac{5}{13}(x - 6)$$

Slope-Intercept Form:

$$y = \frac{5}{13}x - \frac{43}{13}$$

Standard Form:

$$5x - 13y = 43$$

9. Point-Slope Form:

$$y + 3 = \frac{8}{17}(x + 8)$$

$$y - 5 = \frac{8}{17}(x - 9)$$

Slope-Intercept Form:

$$y = \frac{8}{17}x + \frac{13}{17}$$

Standard Form:

$$8x - 17y = -13$$

10. Point-Slope Form:

$$y - 2 = 2(x - 1)$$

$$y + 6 = 2(x + 3)$$

Slope-Intercept Form:

$$y = 2x + 0$$

Standard Form:

$$2x - y = 0$$

11. Point-Slope Form:

$$y - 8 = 4(x + 5)$$

$$y - 0 = 4(x + 7)$$

Slope-Intercept Form:

$$y = 4x + 28$$

Standard Form:

$$4x - y = -28$$

12. Point-Slope Form:

$$y - 4 = \frac{5}{14}(x + 4)$$

$$y - 9 = \frac{5}{14}(x - 10)$$

Slope-Intercept Form:

$$y = \frac{5}{14}x + \frac{38}{7}$$

Standard Form:

$$5x - 14y = -76$$