Graphing Worksheet 44 Answers

1. Point-Slope Form:

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

Slope-Intercept Form:

$$y = \frac{9}{4}x + \frac{25}{2}$$

Standard Form:

$$9x - 4y = -50$$

2. Point-Slope Form:

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

Slope-Intercept Form:

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

Standard Form:

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

3. Point-Slope Form:

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

Slope-Intercept Form:

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

Standard Form:

$$10x - 9y = 30$$

4. Point-Slope Form:

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

Slope-Intercept Form:

$$y = -\frac{7}{10}x + \frac{48}{5}$$

Standard Form:

$$7x + 10y = 96$$

5. Point-Slope Form:

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

Slope-Intercept Form:

$$y = \frac{4}{3}x - 18$$

Standard Form:

$$4x - 3y = 54$$

6. Point-Slope Form:

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

Slope-Intercept Form:

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

Standard Form:

$$4x - 9y = 90$$

7. Point-Slope Form:

$$y + 10 = 2(x + 6)$$

$$y - 10 = 2(x - 4)$$

Slope-Intercept Form:

$$y = 2x + 2$$

Standard Form:

$$2x - y = -2$$

8. Point-Slope Form:

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

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

Slope-Intercept Form:

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

Standard Form:

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

9. Point-Slope Form:

$$y + 6 = \frac{1}{3}(x + 8)$$

$$y + 4 = \frac{1}{3}(x + 2)$$

Slope-Intercept Form:

$$y = \frac{1}{3}x - \frac{10}{3}$$

Standard Form:

$$x - 3y = 10$$

10. Point-Slope Form:

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

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

Slope-Intercept Form:

$$y = \frac{5}{2}x - \frac{25}{2}$$

Standard Form:

$$5x - 2y = 25$$

11. Point-Slope Form:

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

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

Slope-Intercept Form:

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

Standard Form:

$$11x - 4y = -29$$

12. Point-Slope Form:

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

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

Slope-Intercept Form:

$$y = -\frac{12}{7}x - \frac{9}{7}$$

Standard Form:

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