

## Graphing Worksheet 41 Answers

1. Slope-intercept form:

$$y = -\frac{3}{5}x - 6$$

Point-slope forms:

$$y + 9 = -\frac{3}{5}(x - 5)$$

$$y + 6 = -\frac{3}{5}(x - 0)$$

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

$$y - 0 = -\frac{3}{5}(x + 10)$$

2. Slope-intercept form:

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

Point-slope forms:

$$y + 9 = -\frac{3}{2}(x - 8)$$

$$y + 6 = -\frac{3}{2}(x - 6)$$

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

$$y - 0 = -\frac{3}{2}(x - 2)$$

$$y - 3 = -\frac{3}{2}(x - 0)$$

$$y - 6 = -\frac{3}{2}(x + 2)$$

$$y - 9 = -\frac{3}{2}(x + 4)$$

3. Slope-intercept form:

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

Point-slope forms:

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

$$y + 1 = \frac{2}{3}(x + 6)$$

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

$$y - 3 = \frac{2}{3}(x - 0)$$

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

$$y - 7 = \frac{2}{3}(x - 6)$$

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

4. Slope-intercept form:

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

Point-slope forms:

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

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

$$y - 6 = -\frac{2}{3}(x - 3)$$

$$y - 8 = -\frac{2}{3}(x - 0)$$

$$y - 10 = -\frac{2}{3}(x + 3)$$

5. Slope-intercept form:

$$y = 5x - 8$$

Point-slope forms:

$$y + 8 = 5(x - 0)$$

$$y + 3 = 5(x - 1)$$

$$y - 2 = 5(x - 2)$$

$$y - 7 = 5(x - 3)$$

6. Slope-intercept form:

$$y = \frac{5}{3}x - 4$$

Point-slope forms:

$$y + 9 = \frac{5}{3}(x + 3)$$

$$y + 4 = \frac{5}{3}(x - 0)$$

$$y - 1 = \frac{5}{3}(x - 3)$$

$$y - 6 = \frac{5}{3}(x - 6)$$

7. Slope-intercept form:

$$y = \frac{3}{5}x - 4$$

Point-slope forms:

$$y + 10 = \frac{3}{5}(x + 10)$$

$$y + 7 = \frac{3}{5}(x + 5)$$

$$y + 4 = \frac{3}{5}(x - 0)$$

$$y + 1 = \frac{3}{5}(x - 5)$$

$$y - 2 = \frac{3}{5}(x - 10)$$

8. Slope-intercept form:

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

Point-slope forms:

$$y + 8 = \frac{4}{3}(x + 9)$$

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

$$y - 0 = \frac{4}{3}(x + 3)$$

$$y - 4 = \frac{4}{3}(x - 0)$$

$$y - 8 = \frac{4}{3}(x - 3)$$

9. Slope-intercept form:

$$y = \frac{1}{5}x - 10$$

Point-slope forms:

$$y + 10 = \frac{1}{5}(x - 0)$$

$$y + 9 = \frac{1}{5}(x - 5)$$

$$y + 8 = \frac{1}{5}(x - 10)$$

10. Slope-intercept form:

$$y = \frac{2}{5}x - 4$$

Point-slope forms:

$$y + 8 = \frac{2}{5}(x + 10)$$

$$y + 6 = \frac{2}{5}(x + 5)$$

$$y + 4 = \frac{2}{5}(x - 0)$$

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

$$y - 0 = \frac{2}{5}(x - 10)$$

11. Slope-intercept form:

$$y = \frac{2}{5}x + 9$$

Point-slope forms:

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

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

$$y - 9 = \frac{2}{5}(x - 0)$$

12. Slope-intercept form:

$$y = -\frac{5}{2}x + 9$$

Point-slope forms:

$$y + 6 = -\frac{5}{2}(x - 6)$$

$$y + 1 = -\frac{5}{2}(x - 4)$$

$$y - 4 = -\frac{5}{2}(x - 2)$$

$$y - 9 = -\frac{5}{2}(x - 0)$$