

Slope-Intercept Form of a Line

1. Find the slope and y-intercept of the line whose equation is given

$$y = 8x + 2$$

2. Find the slope and y-intercept of the line whose equation is given

$$22x + 4y = 12$$

3. Find the slope and y-intercept of the line whose equation is given

$$y = 4$$

4. Find the slope and y-intercept of the line whose equation is given

$$x = -5$$

5. Use the slope and y-intercept to graph each line whose equation is given

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

6. Graph each line using the slope and y-intercept

$$4x + y = 3$$

7. Graph each line using the slope and y-intercept

$$3x - 2y = 4$$

8. Find the equation of the line with the given slope and intercept

slope is $\frac{5}{3}$; y - intercept is - 2

9. Find the equation of the line with the given slope and intercept

slope is 0; y - intercept is - 5

10. Find the equation of the line with the given slope and intercept

slope is undefined; x - intercept is 2