Slope-Intercept Form of a Line

1. Find the slope and y-intercept of the line whose equation is given (similar to p.218 #20)

$$y = 8x + 2$$

2. Find the slope and y-intercept of the line whose equation is given (similar to p.218 #32)

$$22x + 4y = 12$$

3. Find the slope and y-intercept of the line whose equation is given (similar to p.218 #36)

$$y = 4$$

4. Find the slope and y-intercept of the line whose equation is given (similar to p.218 #38)

$$x = -5$$

5. Use the slope and y-intercept to graph each line whose equation is given (similar to p.218 #44)

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

6. Graph each line using the slope and y-intercept
(similar to p.218 #48)

$$4x + y = 3$$

7. Graph each line using the slope and y-intercept
(similar to p.218 #54)

$$3x - 2y = 4$$

8. Find the equation of the line with the given slope and intercept
(similar to p.218 #58)

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

9. Find the equation of the line with the given slope and intercept
(similar to p.218 #62)

$$\text{slope is } 0; \text{ y - intercept is } -5$$

10. Find the equation of the line with the given slope and intercept
(similar to p.218 #64)

$$\text{slope is undefined; x - intercept is } 2$$