

Equations of Lines: The Finale—Pre-Test

1. Define the following terms in your own words:

- a. Slope-intercept form
- b. Point-slope form
- c. Standard form

2. Given the following pieces of information in each problem, use the appropriate form of an equation of a line (slope-intercept or point-slope) to write an equation in slope-intercept form.

a. Given: $m = \frac{2}{3}$
point (0, 4)

b. Given: $m = -\frac{4}{5}$
y-intercept: (0, 2)

c. Given: points (−1,4) and (6,2)

d. Given: $m = 3$
point (5, 7)

Equations of Lines: The Finale—Post-Test

1. Define the following terms in your own words:
 - a. Slope-intercept form
 - b. Point-slope form
 - c. Standard form
2. Given the following pieces of information in each problem, use the appropriate form of an equation of a line (slope-intercept or point-slope) to write an equation in slope-intercept form.

a. Given: $m = \frac{3}{4}$
point (0, 7)

b. Given: $m = -\frac{2}{9}$
y-intercept: (0, 3)

c. Given: points (−2,5) and (7,1)

d. Given: $m = 2$
point (4, 6)