Chapter 2: Linear Equations and Functions

Find the slope of the line passing through the given points.

1). $(-2, -1), (4, 3)$

2). $(1, -5), (1, 2)$

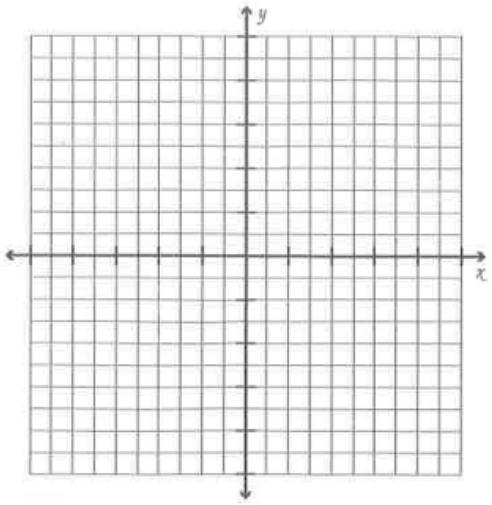
3). $(5, -3), (1, 2)$

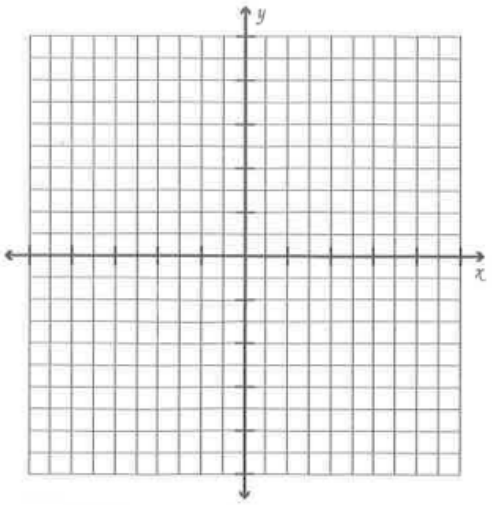
4). $(6, 2), (-8, 2)$

Graph the equation.

1). $y = 5 - x$

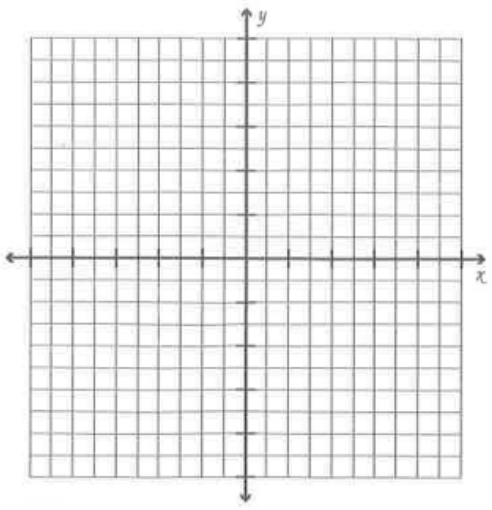
2). $y - 5x = -4$

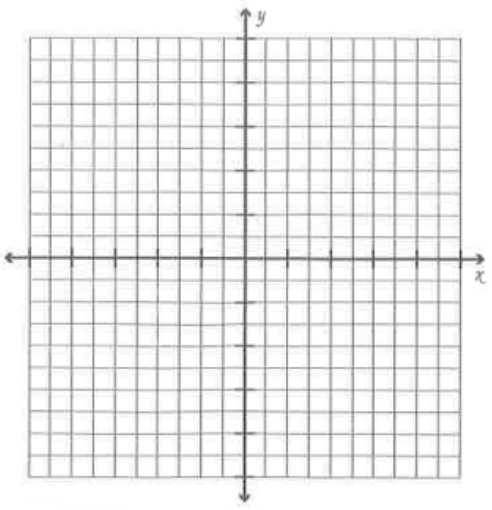




3). $x = 4$

4). $6x - 4y = 12$





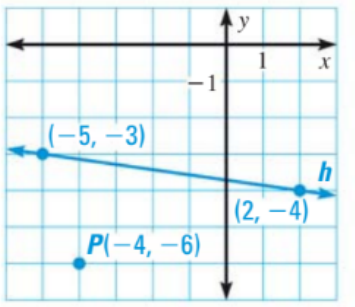
Equations of a Line

- Slope-Intercept Form
- Point-Slope Form
- Standard Form

1. Write an equation for a line that goes through (3, 5) and has slope $m = 2$ in slope intercept form.

2. Write an equation for a line that goes through (2, -3) and (1, 1) in standard form.

3. Write an equation for the line in the coordinate plane below



4. Write an equation for the line that has x-intercept = 2 and y-intercept =− 1 in all three forms.

Write the equation of the line that passes through the given points.

1). (− 3, 4), (2, − 6)

2). (-4, 1), (3, -6)