

# Finding a Linear Equation from Two Points

Instruction: Find the equation of the line ( $y = mx + b$ ) using the two points.

1. Points:  $(1, -7)$   $(-5, 0)$

$$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$$

2. Points:  $(6, 9)$   $(-4, -2)$

$$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$$

3. Points:  $(8, -6)$   $(6, 8)$

$$y = \underline{\hspace{2cm}}$$

4. Points:  $(4, 1)$   $(-6, 4)$

$$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$$

5. Points:  $(6, -7)$   $(8, 5)$

$$y = \underline{\hspace{2cm}}$$

6. Points:  $(8, 7)$   $(-6, 4)$

$$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$$

7. Points:  $(5, -6)$   $(-4, 2)$

$$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$$

8. Points:  $(-1, 6)$   $(8, 6)$

$$y = \underline{\hspace{2cm}}$$

9. Points:  $(2, 7)$   $(0, 7)$

$$y = \underline{\hspace{2cm}}$$

10. Points:  $(2, -7)$   $(-9, 9)$

$$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$$