

NAME _____

DATE _____

WRITE EQUATIONS: Worksheet 2

Given the slope & y-intercept of a line, write the slope-intercept equation for that line.

1) $m = \frac{1}{4}$, y-intercept = 2

2) $m = -10$, y-intercept = 3

3) $m = 4$, y-intercept = -1

Given the slope and a point P on a line, write the slope-intercept equation for that line.

4) $m = -2$, P(1,6)

5) $m = \frac{1}{2}$, P(3,-2)

6) $m = -4$, P(-1,-3)

Given two points A and B on a line, write the slope-intercept equation for that line.

7) A(2,5), B(3,1)

8) A(1,-1), B(5,0)

9) A(3,-2), B(-6,-4)

KEY

WRITE EQUATIONS: Worksheet 2

Given the slope & y-intercept of a line, write the slope-intercept equation for that line.

1) $m = \frac{1}{4}$, y-intercept = 2

$$y = \frac{1}{4}x + 2$$

2) $m = -10$, y-intercept = 3

$$y = -10x + 3$$

3) $m = 4$, y-intercept = -1

$$y = 4x - 1$$

Given the slope and a point P on a line, write the slope-intercept equation for that line.

4) $m = -2$, P(1,6)

$$y = -2x + 8$$

5) $m = \frac{1}{2}$, P(3,-2)

$$y = \frac{1}{2}x - 3\frac{1}{2}$$

6) $m = -4$, P(-1,-3)

$$y = -4x - 7$$

Given two points A and B on a line, write the slope-intercept equation for that line.

7) A(2,5), B(3,1)

$$y = -4x + 13$$

8) A(1,-1), B(5,0)

$$y = \frac{1}{4}x - 1\frac{1}{4}$$

9) A(3,-2), B(-6,-4)

$$y = \frac{2}{9}x - \frac{2}{3}$$