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WRITE EQUATIONS: Worksheet 1

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

1) $m = 3$, y-intercept = 7

2) $m = -2$, y-intercept = 1

3) $m = \frac{2}{3}$, y-intercept = -4

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

4) $m = 5$, P(2,4)

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

6) $m = -8$, P(-1,-4)

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

7) A(1,8), B(0,6)

8) A(3,-3), B(-1,2)

9) A(6,1), B(3,-4)

KEY
WRITE EQUATIONS: Worksheet 1

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

1) $m = 3$, y-intercept = 7

$y = 3x + 7$

2) $m = -2$, y-intercept = 1

$y = -2x + 1$

3) $m = \frac{2}{3}$, y-intercept = -4

$y = \frac{2}{3}x - 4$

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

4) $m = 5$, P(2,4)

$y = 5x - 6$

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

$y = \frac{2}{5}x + 3\frac{4}{5}$

6) $m = -8$, P(-1,-4)

$y = -8x - 12$

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

7) A(1,8), B(0,6)

$y = 2x + 6$

8) A(3,-3), B(-1,2)

$y = -\frac{5}{4}x + \frac{3}{4}$

9) A(6,1), B(3,-4)

$y = \frac{5}{3}x - 9$