Prior Knowledge Name_____ ID: 1

Practice Quiz

Date_____ Period____

Solve each equation.

1) $-39 + 3n = -4(n + 1)$

$\{5\}$

2) $-n - 17 = 3(1 - 7n)$

$\{1\}$

Simplify.

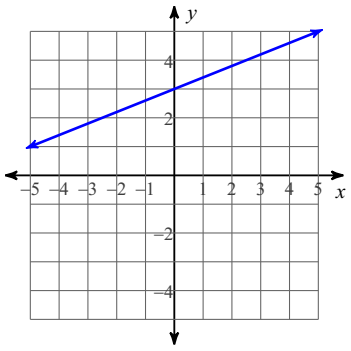
3) $\sqrt{98}$

A) $4\sqrt{5}$ B) $6\sqrt{7}$

*C) $7\sqrt{2}$ D) $8\sqrt{2}$

Write the slope-intercept form of the equation of each line. y = mx + b

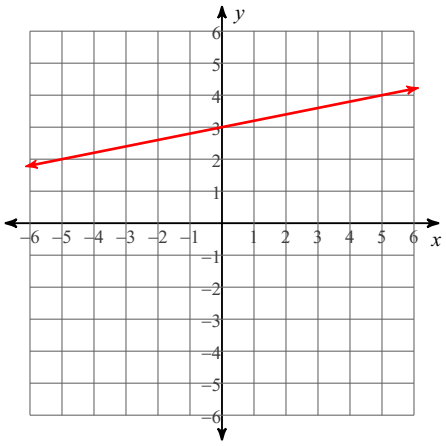
4)



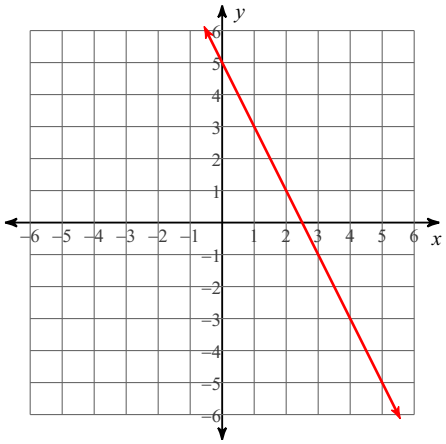
$y = \frac{2}{5}x + 3$

Sketch the graph of each line.

5) $y = \frac{1}{5}x + 3$



6) $y = -2x + 5$



Evaluate the function.

7) $p(x) = -2x^2 - 3x$; Find $p(-8)$

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Write the slope-intercept form of the equation of each line. (Solve for y.)

8) $5x - 3y = 21$

A) $y = \frac{2}{3}x - 7$ B) $y = -\frac{2}{3}x - 7$

*C) $y = \frac{5}{3}x - 7$ D) $y = -\frac{1}{3}x - 7$

Write the slope-intercept form of the equation of the line through the given point with the given slope.

9) through: $(1, -4)$, slope = -4

$y = -4x$

Write the slope-intercept form of the equation of the line through the given points.

10) through: $(4, -2)$ and $(5, 4)$

$y = 6x - 26$