

Quarter 3 Exam 3 Practice

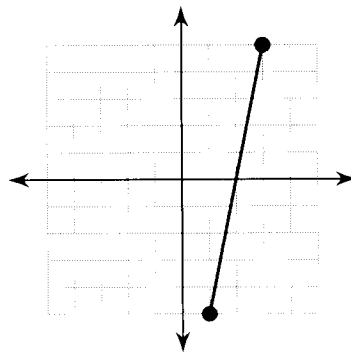
Find the slope of a line parallel to each given line.

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

Find the slope of each line.

2) $y = -2x + 4$

3)



Find the slope of the line through each pair of points.

4) $(0, -16), (-2, 10)$

5) $(13, 5), (7, -14)$

Find the slope of a line perpendicular to each given line.

6) $y = -1$

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

7) Slope = 1, y-intercept = 0

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

8) through: $(0, -5)$, slope = undefined

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

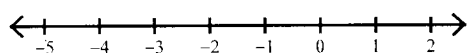
9) through: $(1, 1)$ and $(0, 0)$

Write the standard form of the equation of each line.

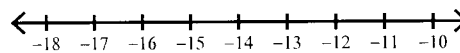
10) $y + 3 = -\frac{5}{4}x$

Solve each inequality and graph its solution.

11) $-18 \geq x - 17$



12) $42 > -3n$



Answers to Quarter 3 Exam 3 Practice

1) $-\frac{3}{2}$

2) -2

3) 5

4) -13

5) $\frac{19}{6}$

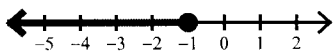
6) Undefined

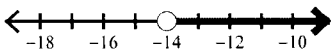
7) $y = x$

8) $x = 0$

9) $y = x$

10) $5x + 4y = -12$

11) $x \leq -1$: A horizontal number line with arrows at both ends. It has tick marks labeled from -5 to 2. A solid black dot is placed at the tick mark for -1. The line is shaded to the left of this dot, starting from an arrow at the far left.

12) $n > -14$: A horizontal number line with arrows at both ends. It has tick marks labeled -18, -16, -14, -12, and -10. An open circle is placed at the tick mark for -14. The line is shaded to the right of this circle, starting from an arrow at the far right.