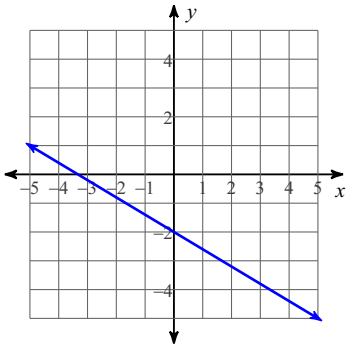
Algebra 1 - Mr. Allen-Black & Mrs. Gulamali Name_____

MORE Writing Equations of Lines (Parallel & Perpendicular)

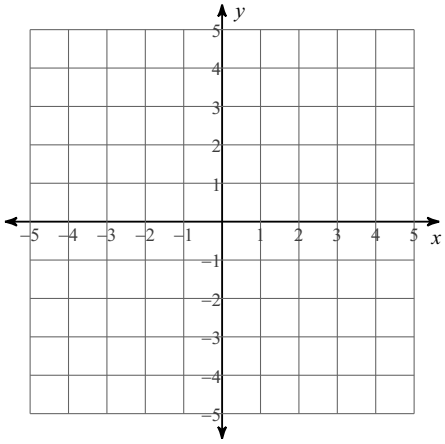
Period____

MIXED REVIEW: Write the slope-intercept form of the equation of each line.

1)



2) Through the point $(-3, -2)$ with a slope of $\frac{4}{3}$



3) Slope = -1, y-intercept = -2

4) $11x + 5y = -40$

5) through: $(-3, 5)$, slope = -3

6) through: $(-3, -3)$ and $(3, 1)$

CLASS EXAMPLES: Write the slope-intercept form of the equation of the line described.

7) through: $(1, 5)$, parallel to $y = x - 3$

8) through: $(-3, 3)$, perp. to $y = 3x + 1$

Write the slope-intercept form of the equation of the line described.

9) through: $(3, 5)$, parallel to $y = \frac{2}{3}x + 1$

10) through: $(3, 1)$, parallel to $y = \frac{2}{3}x - 3$

11) through: $(-3, 4)$, perp. to $y = 3x + 2$

12) through: $(2, 5)$, parallel to $y = 5x + 3$

13) through: $(5, 1)$, perp. to $y = \frac{5}{3}x - 2$

14) through: $(3, 3)$, perp. to $y = -\frac{1}{2}x - 5$

15) through: $(-1, 2)$, parallel to $y = -4x + 2$

16) through: $(2, 2)$, perp. to $y = -\frac{2}{7}x + 1$

17) through: $(-2, 3)$, perp. to $y = -\frac{1}{6}x + 1$

18) through: $(-4, -4)$, parallel to $y = \frac{1}{4}x - 5$

Answers to MORE Writing Equations of Lines (Parallel & Perpendicular)

1) $y = -\frac{3}{5}x - 2$

3) $y = -x - 2$

5) $y = -3x - 4$

7) $y = x + 4$

9) $y = \frac{2}{3}x + 3$

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

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

15) $y = -4x - 2$

17) $y = 6x + 15$