Name _____

Course 3 Review
Slopes and Intercepts

Find the slope of the line through the given points

1. $(4, -1)$ and $(2, 3)$

2. $(3, -2)$ and $(-6, 1)$

3. $(5, 3)$ and $(-2, 3)$

4. $(0, -2)$ and $(2, 4)$

5. $(2, 1)$ and $(2, -4)$

Find the slope and y-intercepts

(6.) $y = -3x + 4$

slope =
y-int =

(7.) $y = \frac{4}{5}x - 2$

slope =
y-int =

Find the slope and y-intercept and then use this information to graph each function.

(8.) $y = 2x - 3$

slope =
y-int =

(9.) $y = -\frac{3}{4}x + 1$

slope =
y-int =

(10.) $y = 5 - 3x$

slope =
y-int =

Are the two functions parallel, perpendicular, or neither? EXPLAIN

(11.) $y = -\frac{3}{4}x - 6$

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

(12.) $y = -5x + 8$

$y = 5x - 3$

(13.) $y = \frac{1}{2}x + 1$

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

(14.) Write an equation for a function that is parallel to $y = -6x + 7$

(15.) Write an equation for a function that is perpendicular to $y = -\frac{2}{3}x + 5$

Use the function $f(x) = -2x + 5$ to evaluate each

16. $f(3)$

17. $f(-4)$

Write each equation in slope - intercept form and then find the slope and y-intercept

	Slope-Int Form	Slope	y-int
18. $3y = -6x + 9$			
19. $2y = 2x - 4$			
20. $y - 3x = 5$			