Name : _____ Score : _____

Teacher : _____ Date : _____

Find the Slope and Y-intercept for Each Equation

1) $y = \frac{1}{2}x + 4$

slope = _____

y-intercept = _____

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

slope = _____

y-intercept = _____

3) $y = 4x - 10$

slope = _____

y-intercept = _____

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

slope = _____

y-intercept = _____

5) $y = -x + 2$

slope = _____

y-intercept = _____

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

slope = _____

y-intercept = _____

7) $y = 2x - 4$

slope = _____

y-intercept = _____

8) $y = -5x - 3$

slope = _____

y-intercept = _____

9) $y = -4x + 4$

slope = _____

y-intercept = _____

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

slope = _____

y-intercept = _____

Student Name: _____ Score:

Linear or Nonlinear

State whether the given functions are linear or nonlinear:

Function	Linear/Nonlinear
$y = -6x + 8$	
$y = 3x^2 - 1$	
$y = 1 - \frac{3}{5}x$	
$y = 3.2$	
$y = \frac{x^3}{2} + 9x$	
$y = 12x$	
$y = \frac{1}{2}$	
$y = -7x - 1$	
$y = 6x - \frac{2}{5}$	
$y = x^2 + x - 4$	