

Finding Slope From an Equation

Find the slope of each line. and *y-intercept*

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

2) $y = -\frac{4}{3}x - 1$

3) $y = -x + 3$

4) $y = -4x - 1$

5) $2x - y = 1$

6) $x + 2y = -8$

7) $8x + 3y = -9$

8) $4x + 5y = -10$

9) $x - y = -2$

10) $4x - 3y = 9$

11) $3x + 2y = 6$

12) $4x - 5y = 0$

13) $y = -1$

14) $x + 5y = -15$

15) $-2y - 10 + 2x = 0$

16) $x + 5 + y = 0$

17) $3x + 20 = -4y$

18) $-15 - x = -5y$

19) $-1 = -2x + y$

20) $-x - 1 = y$

21) $0 = 5y - x$

22) $-30 + 10y = -2x$

Finding Slope From an Equation

Date _____ Period _____

Find the slope of each line. and y-int

$$1) y = -\frac{5}{2}x - 5 \quad m = -\frac{5}{2} \quad b = -5$$

$$2) y = -\frac{4}{3}x - 1 \quad m = -\frac{4}{3} \quad b = -1$$

$$3) y = -x + 3 \quad m = -1 \quad b = 3$$

$$4) y = -4x - 1 \quad m = -4 \quad b = -1$$

$$5) 2x - y = 1$$

$$6) x + 2y = -8$$

$$m = 2 \quad b = -1$$

$$m = -\frac{1}{2} \quad b = -4$$

$$7) 8x + 3y = -9$$

$$8) 4x + 5y = -10$$

$$m = -\frac{8}{3} \quad b = -3$$

$$m = -\frac{4}{5} \quad b = -2$$

$$9) x - y = -2$$

$$10) 4x - 3y = 9$$

$$m = 1 \quad b = 2$$

$$m = \frac{4}{3} \quad b = -3$$

$$11) 3x + 2y = 6$$

$$12) 4x - 5y = 0$$

$$m = -\frac{3}{2} \quad b = 3$$

$$m = \frac{4}{5} \quad b = 0$$

$$13) y = -1$$

$$14) x + 5y = -15$$

$$m = 0 \quad b = -1$$

$$m = -\frac{1}{5} \quad b = -3$$

$$15) -2y - 10 + 2x = 0$$

$$16) x + 5 + y = 0$$

$$m = 1 \quad b = -5$$

$$m = -1 \quad b = -5$$

$$17) 3x + 20 = -4y$$

$$18) -15 - x = -5y$$

$$m = -\frac{3}{4} \quad b = -5$$

$$m = \frac{1}{5} \quad b = 3$$

$$19) -1 = -2x + y$$

$$20) -x - 1 = y$$

$$m = 2 \quad b = -1$$

$$m = -1 \quad b = -1$$

$$21) 0 = 5y - x$$

$$22) -30 + 10y = -2x$$

$$m = \frac{1}{5} \quad b = 0$$

$$m = -\frac{1}{5} \quad b = 3$$