

Name _____

For each equation given below:

A. Isolate the y , if required.

B. Determine the value of the slope.

Use the examples you did in class to review the process for isolating the y and identifying the slope value.

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

Solutions (Only the slopes are given, but you must also show the equation with the isolated y)

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

$$-\frac{5}{2}$$

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

$$-\frac{4}{3}$$

3) $y = -x + 3$

$$-1$$

4) $y = -4x - 1$

$$-4$$

5) $2x - y = 1$

$$2$$

6) $x + 2y = -8$

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

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

$$-\frac{8}{3}$$

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

$$-\frac{4}{5}$$

9) $x - y = -2$

$$1$$

10) $4x - 3y = 9$

$$\frac{4}{3}$$

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

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

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

$$\frac{4}{5}$$

$$13) y = -1$$

$$0$$

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

$$-\frac{1}{5}$$

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

$$1$$

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

$$-1$$

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

$$-\frac{3}{4}$$

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

$$\frac{1}{5}$$

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

$$2$$

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

$$-1$$

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

$$\frac{1}{5}$$

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

$$-\frac{1}{5}$$