Name: ____

Tdentify each of the equations as being in standard form, point slope form or slope intercept, orm.

1. y = 3x + 2	2. y - 1 = 2(x + 3)	3. 8x - 2y = 16
Slope intercept	pant sloce	standand
4. y - 3 = -2(x + 3)	5. y = -8x + 5	64x - 6y = 12
point slope	Slope intercept	standard

7. Write an equation of a line with slope -3 and passes through the point (-1,7).	•
	Solution: $y-7 = -3(x+1)$
8. Identify the slope and a point from the given equation.	
y - 2 = (x - 3)	Solution: $M=1$, $POIN+=(3,2)$
9. Identify the slope and a point from the given equation.	
y + 3 = -2(x - 3)	Solution: $M = -2$ $poin+ (3,-3)$
The ninth grade class holds a car wash to raise money to send Mrs. Talley to try out for The Voice. A wash costs \$5 per car and \$6 per truck. Write an equation in standard form to relate the number of cars and trucks the students must wash to raise	5 2200
\$3000.00.	Solution: $0x + (oy = 3000)$

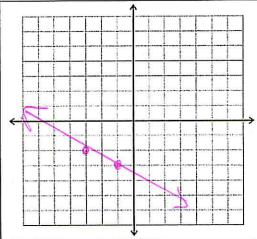
	-	
4	4	

Kevin runs at an average rate of 6 miles per hour. He walks at a rate of 3 miles per hour. Write an equation in standard form to relate the times he could spend walking and running to travel a distance of 24 miles.

Solution: <u>UX+ 34= 24</u>

12.

Graph y + 2 = -1/2(x + 3)

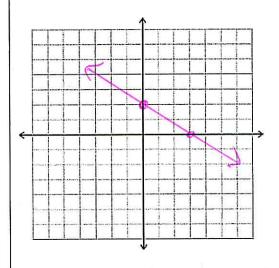


13.

Find the x and y intercepts 2x + 3y = 6 then graph the equation.

x -intercept: 3

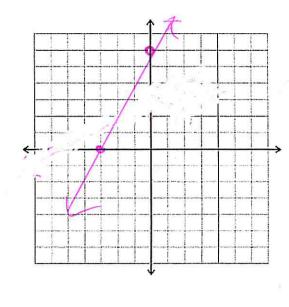
y-intercept:



14.

Find the x and y intercepts of 3x + 5y = 15

xintercept 5 y intercept 3



x-intercept:

Y-intercept:_

Table

Standard Form

$$Ax + By = C$$

Let's use

$$3x + 6y = -18$$

through the origin? Explain. Does the given line pass

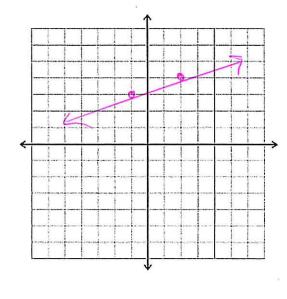
solution? If not, give an

Is the ordered pair (0, -5) a

ordered pair that is a solution.

てつ。

intercept form y = -12x + 3Convert the equation to slope



Independent Variable X

Dependent Variable___

Point (x,y): (-4, 2)

Table

Slope (m) -3

Point Slope Form

$$y-y_1=m(x-x_1)$$

Let's use

$$Y - 2 = -3(x + 4)$$

through the origin? Explain. Does the given line pass

> form. Convert to slope intercept

U=-3x+-10

ordered pair that is a solution.

solution? If not, give an

Is the ordered pair (0, -5) a