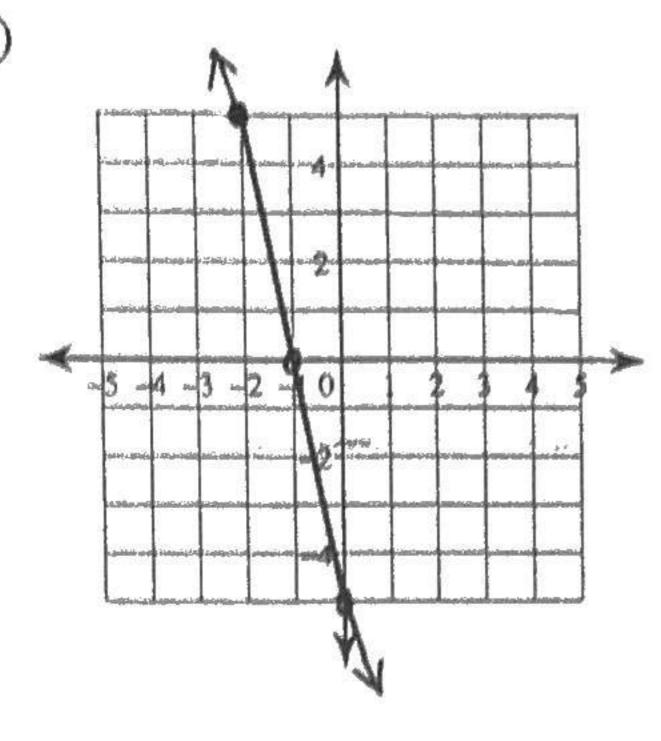
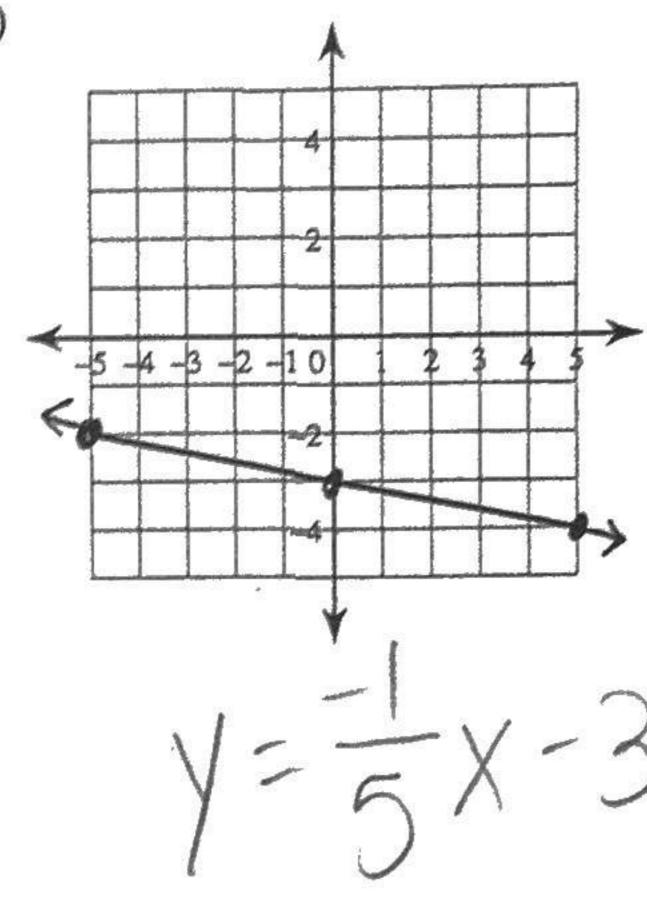
Period

Write the slope-intercept form of the equation of each line.





Write the slope-intercept form of the equation of the line through the given point with the given slope.

3) through:
$$(4, 2)$$
, slope = $\frac{3}{2}$

4) through:
$$(-3, -2)$$

4) through:
$$(-3, -2)$$
, slope = $-\frac{1}{3}$
 $-2 = -\frac{1}{3}(-3) + b$ $1 + 2 = -\frac{1}{3}(X + 3)$
 $-2 = 1 + b$ $1 + 2 = -\frac{1}{3}(X - 1)$
 $-3 = 0$ $1 = -\frac{1}{3}(X - 2)$

Write the slope-intercept form of the equation of the line through the given points.

5) through:
$$(2, 5)$$
 and $(4, -3)$

6) through:
$$(2, 2)$$
 and $(0, -2)$

y+2=2(x-0) y+2=2x

Period

Write the point-slope form of the equation of the line through the given point with the given slope.

1) through:
$$(-4, 3)$$
, slope = $-\frac{3}{4}$

2) through:
$$(-1, -3)$$
, slope = 1

Write the point-slope form of the equation of the line through the given points.

3) through:
$$(-1,0)$$
 and $(2,3)$

$$3-0=3=1$$

$$2+1=3=1$$

$$3-0=1$$

$$3-0=1$$

$$3-0=1$$

$$3-1=1$$

$$3-0=1$$

$$3-1=1$$

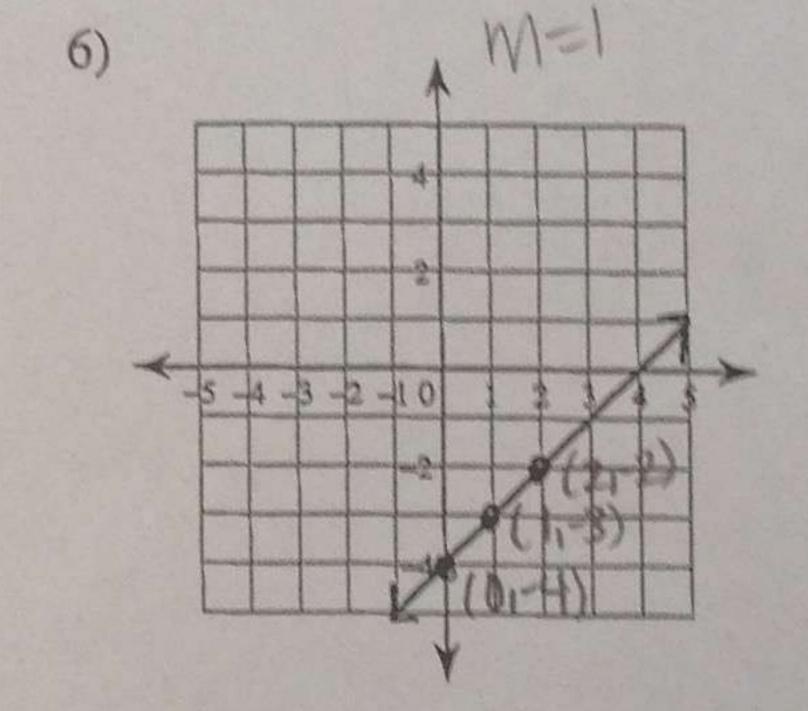
$$3-1=1$$

$$3-1=1$$

$$3-1=1$$

Write the point-slope form of the equation of each line.

5) $M = \frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$

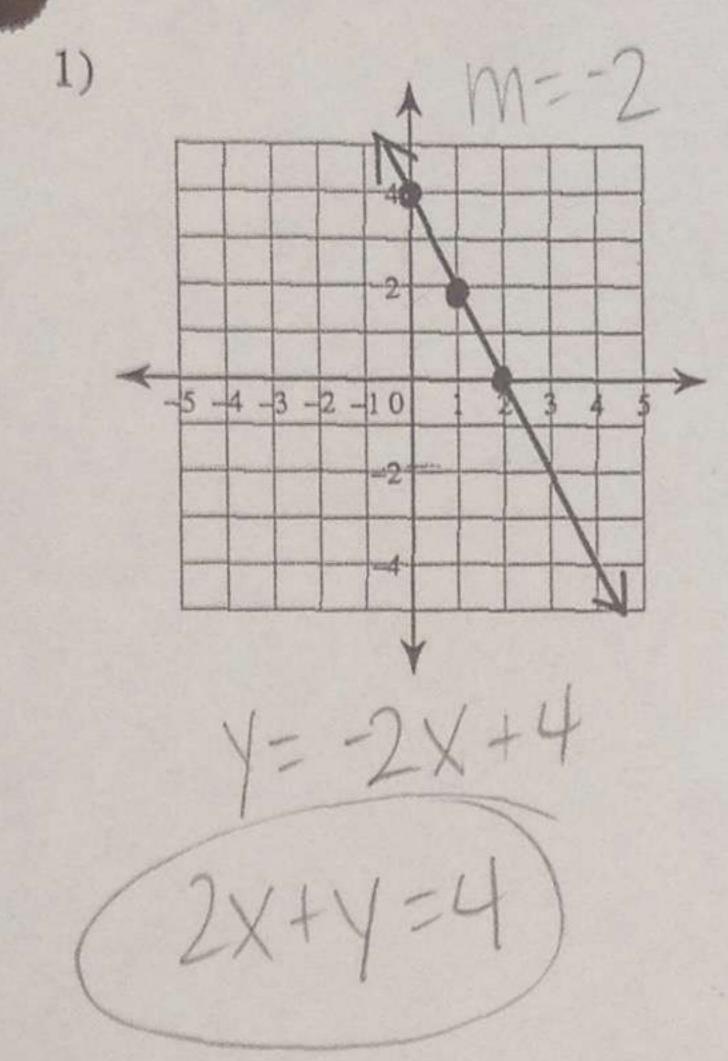


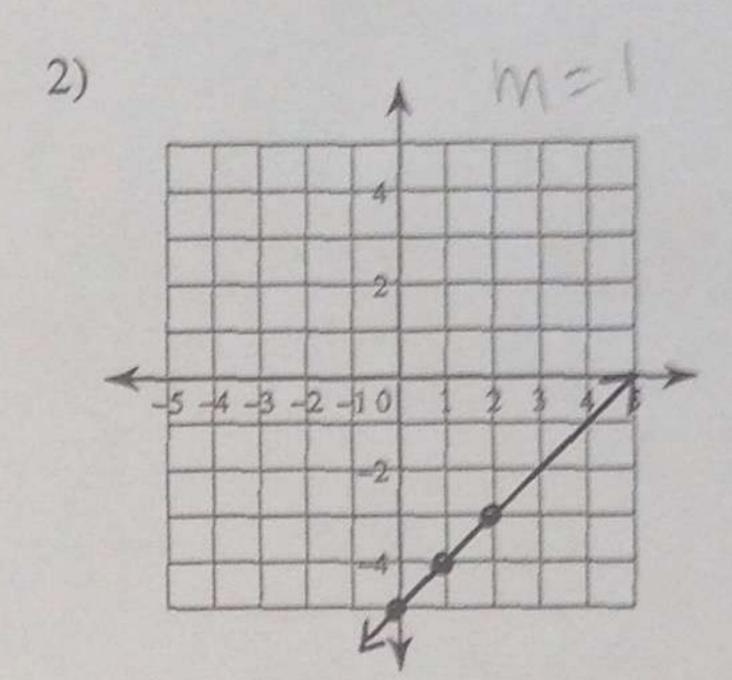
Algebra 1 Part 2

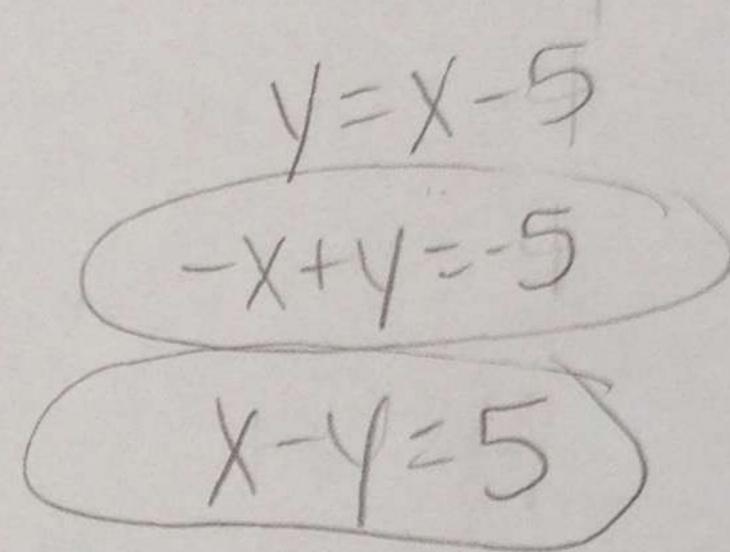
Station 3

Period___

Write the standard form of the equation of each line.







Write the point-slope form of the equation of the line through the given point with the given slope.

3) through:
$$(-1, -4)$$
, slope = 2

4) through:
$$(-4, 3)$$
, slope = $-\frac{5}{4}$

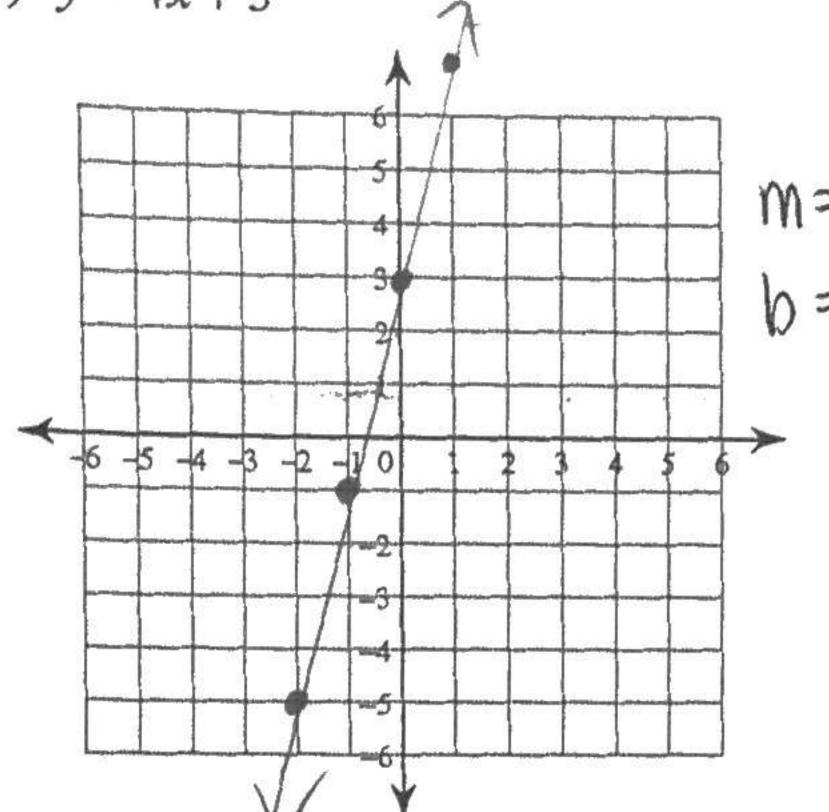
Write the point-slope form of the equation of each line.

$$3+4=7=1$$
 $1+4=1(x+2)$
 $5+2=7=1$ $1+3=1(x-5)$

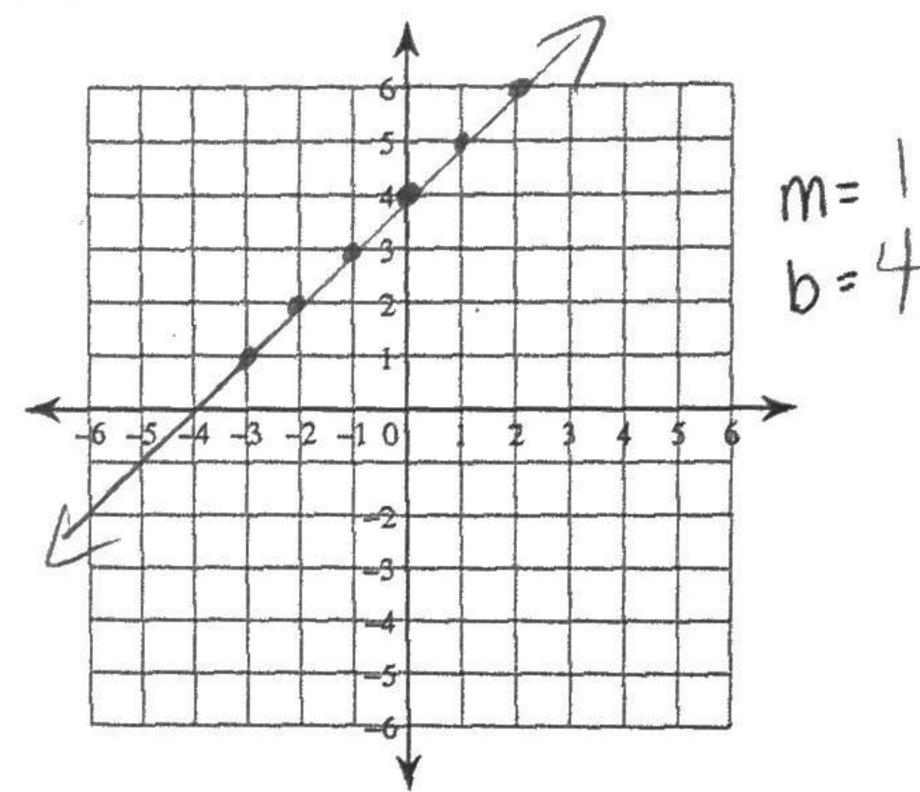
Period____

SLOPE-INTERCEPT FORM: 1) Sketch the graph of each line. 2) Identify the slope and the y-intercept.

1)
$$y = 4x + 3$$

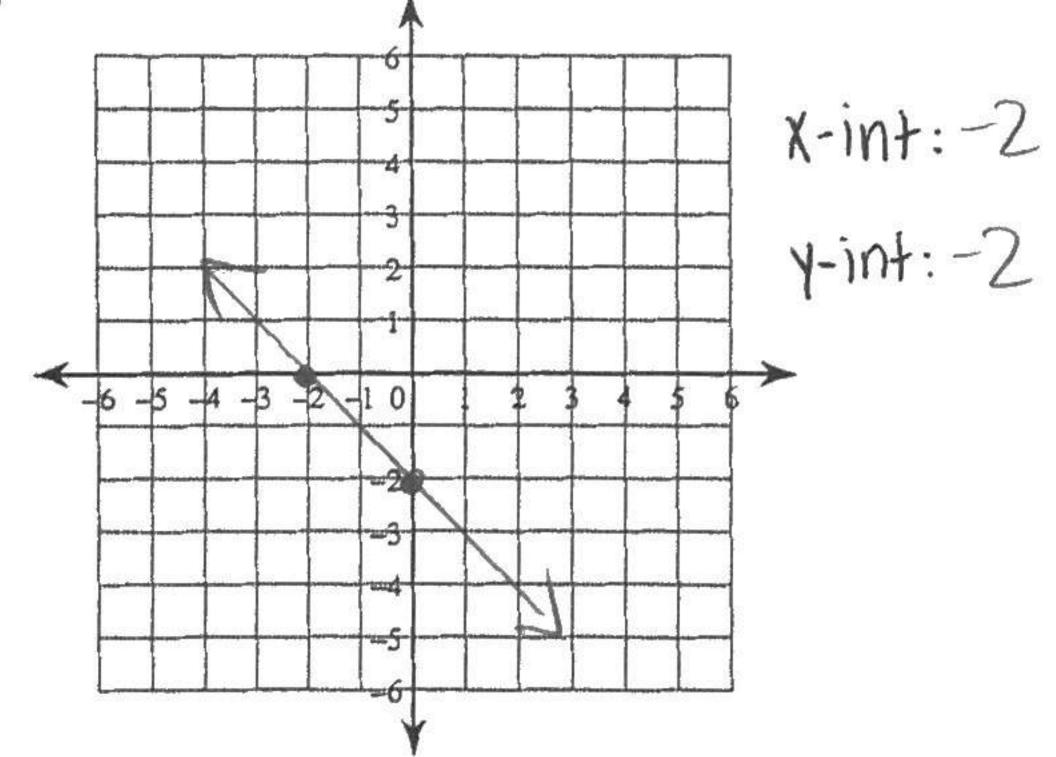


2)
$$y = x + 4$$

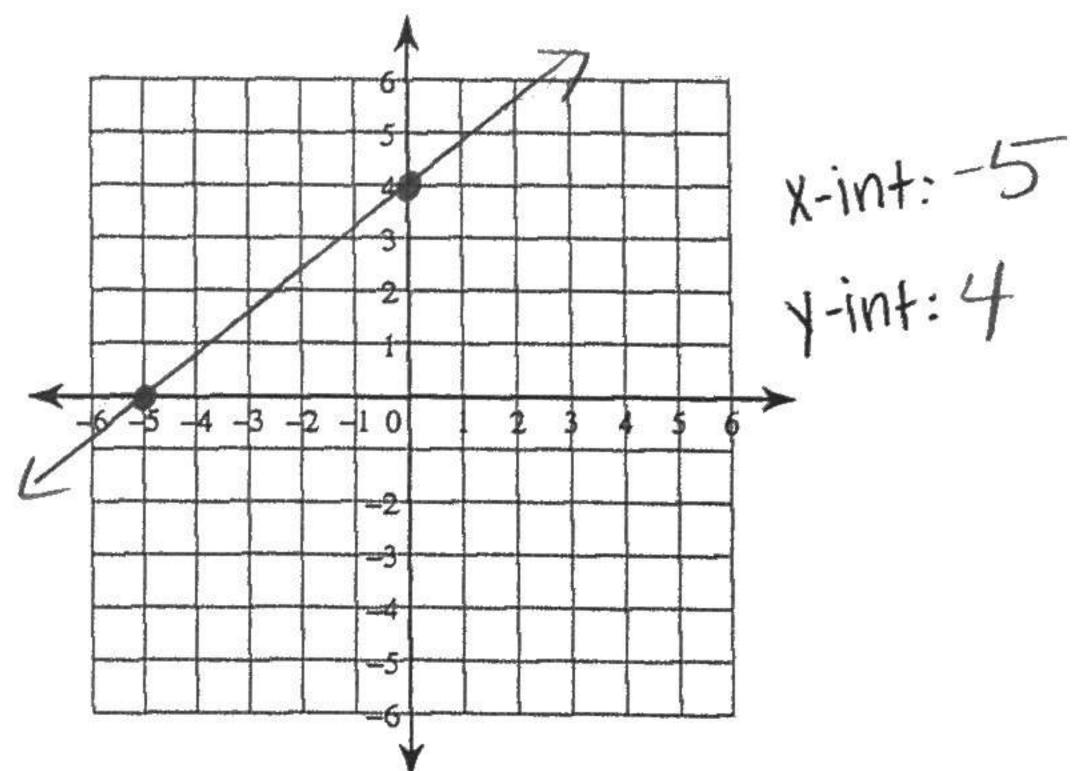


STANDARD FORM: 1) Sketch the graph of each line. 2) Identify the x- and y- intercepts.

3)
$$x + y = -2$$

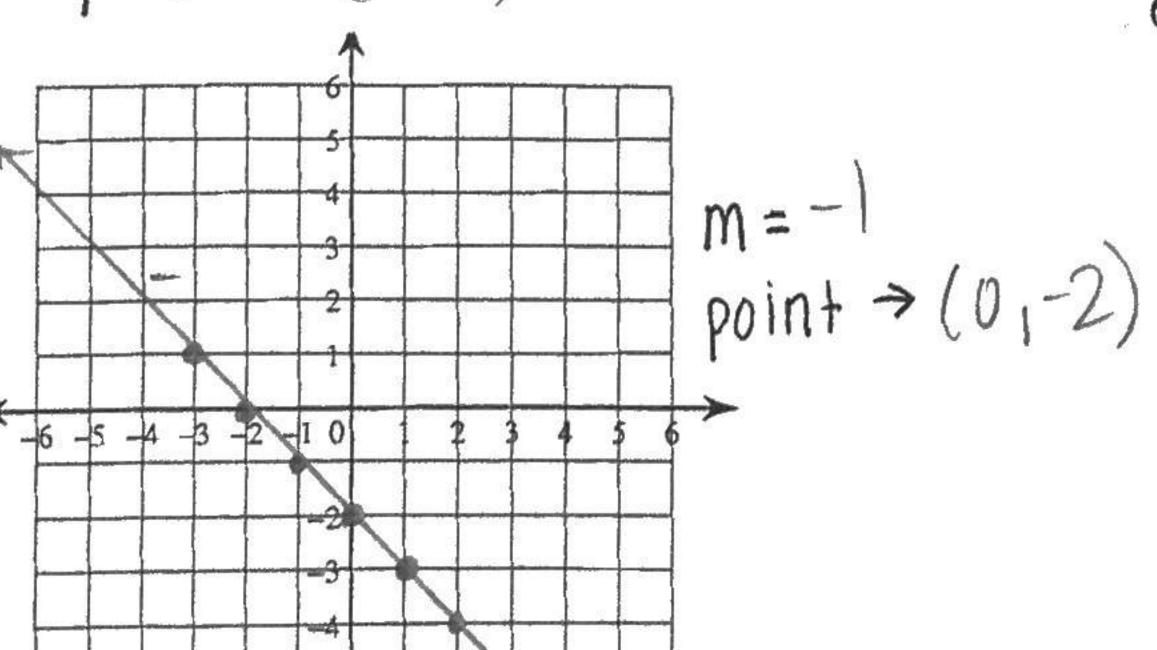


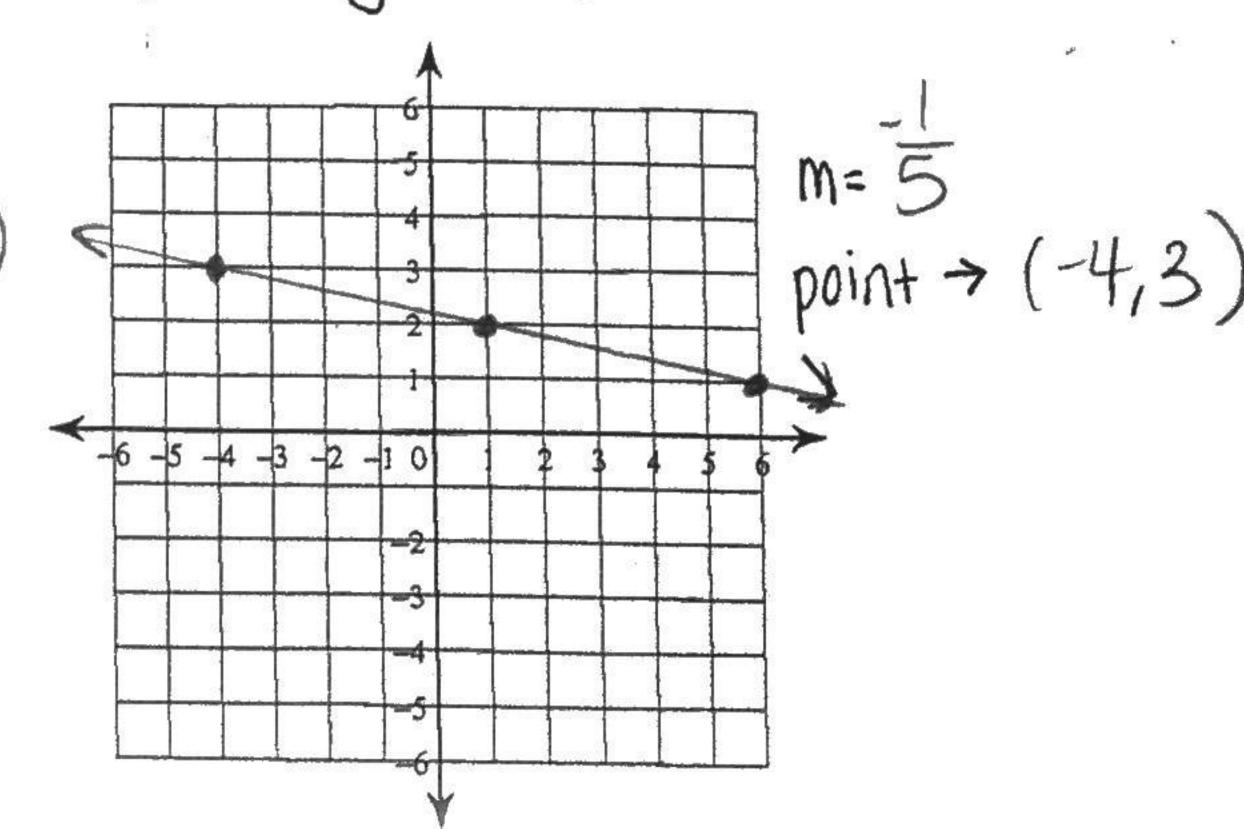
4)
$$4x - 5y = -20$$



POINT-SLOPE FORM: 1) Sketch the graph of each line. 2) Identify the point and slope.

5)
$$y+2=-(x-0)$$



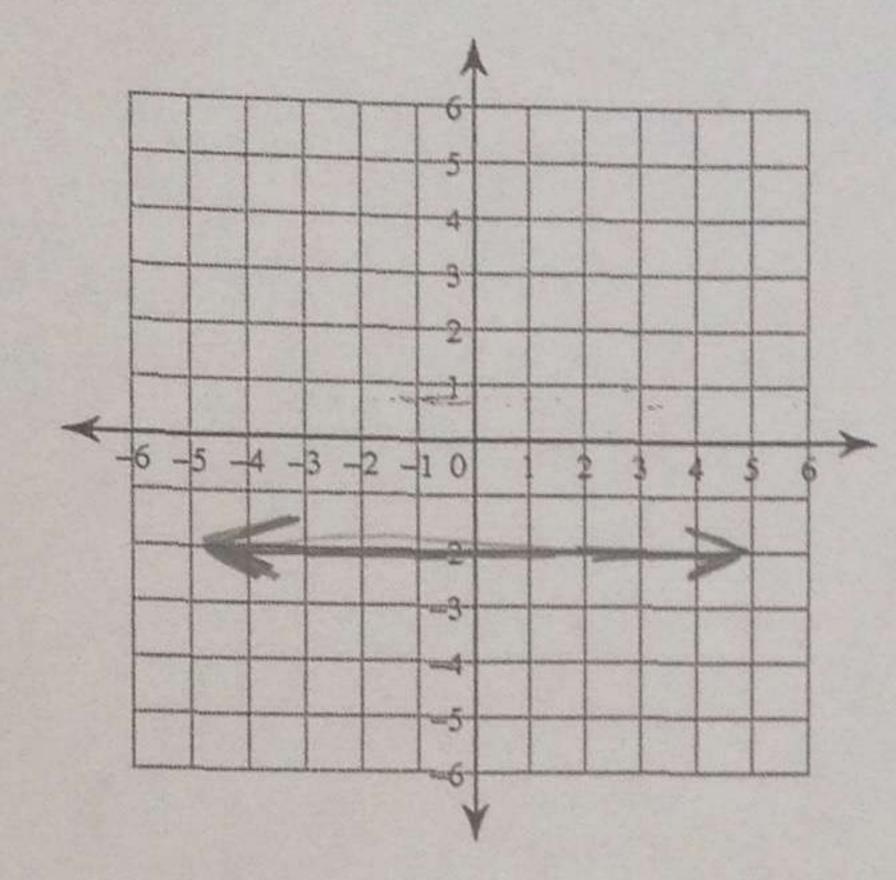


Period

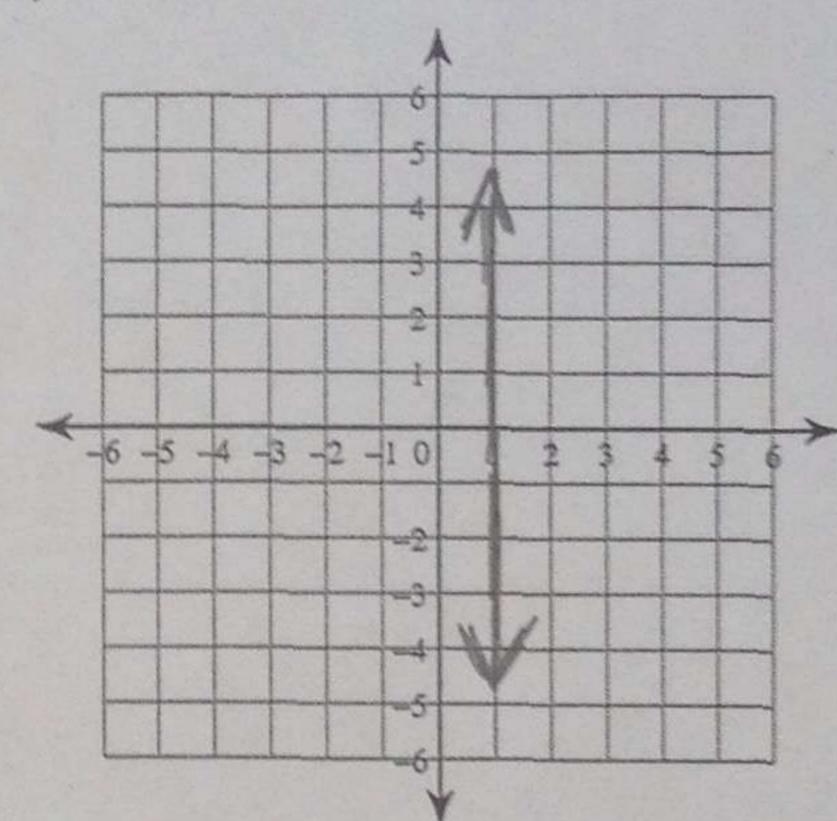
(8,56)

Sketch the graph of each line.

1)
$$y = -2$$



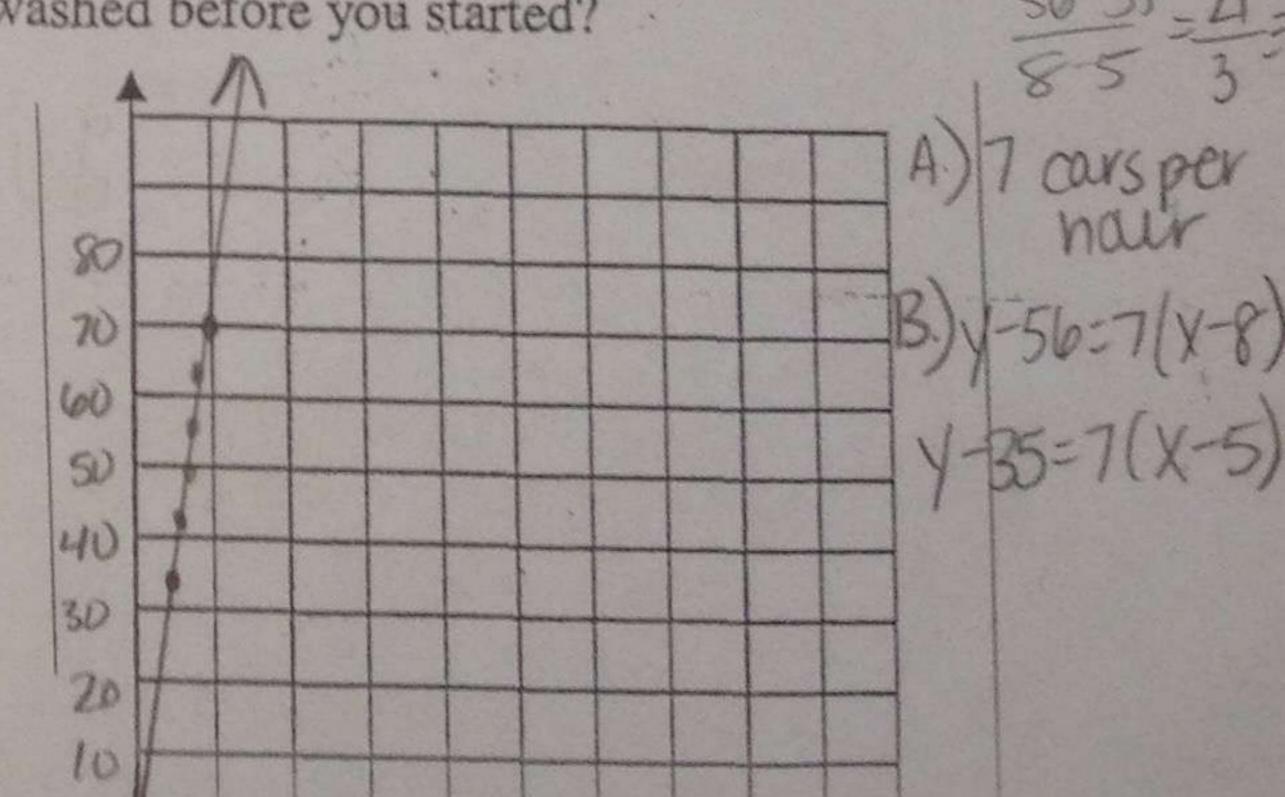
2)
$$x = 1$$



3) To join Work Out World, you must pay a one-time membership fee and \$20 per month. Slope 20 After being a member for 7 months, you pay a total of \$255 including the total of \$255 including the one-time fee. Write an equation that gives the total amount of you pay as a function of the number of months you are a member. Then, determine what the one-time membership fee is.

Y-225=20(X-1) Y-225=20X-140 V=20X+85

4) A car wash opens at 8:00 am. You are start 3 11:000m hours after it opens. Two hours after you begin 1:000m your shift, there have been a total of 35 cars washed. At 4:00 pm, the car wash closes. There were a total of 56 cars washed for the day. A) What is the rate of cars washed per hour? B) Write an equation in Point-Slope Form that models the linear relationship. C) Graph the equation. D) How many cars were washed before you started?



10 20 30 40 50 40 70 80 90 100

of cars washed