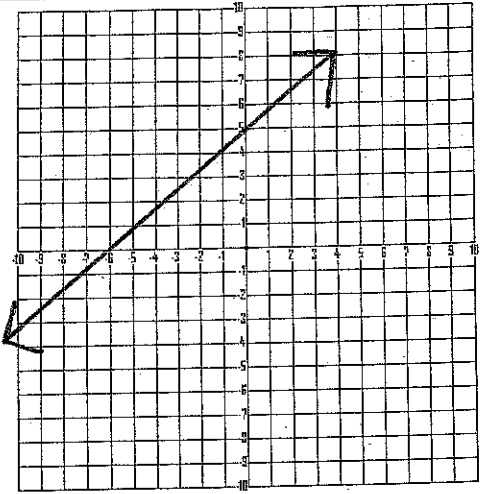


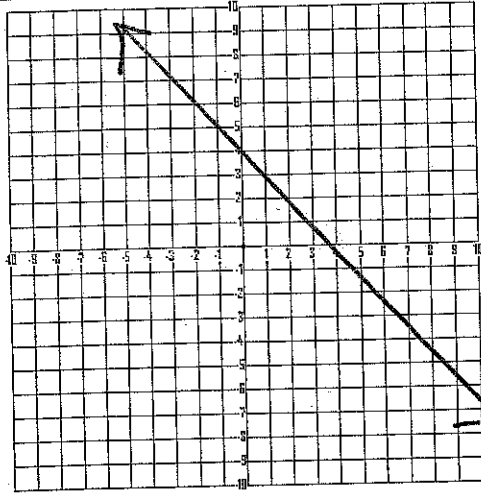
Name:

Date:



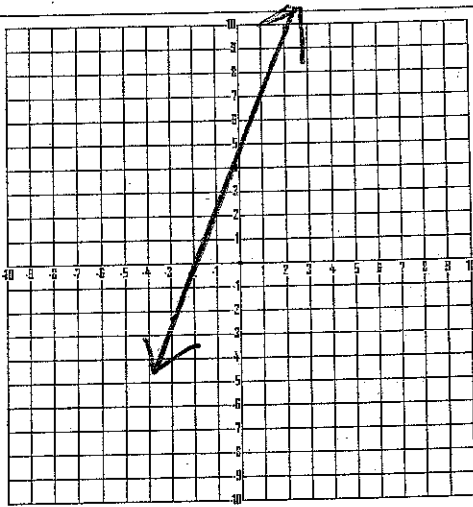
x int.

y int.



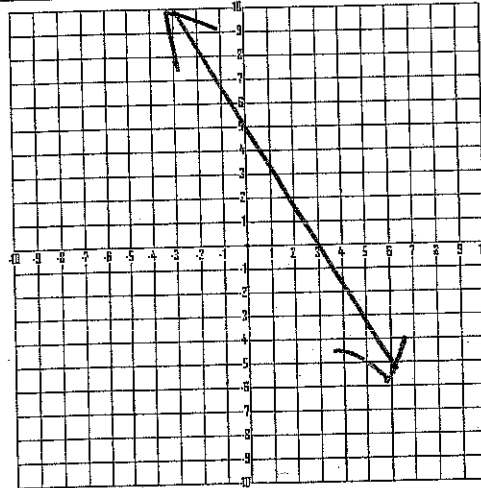
x int.

y int.



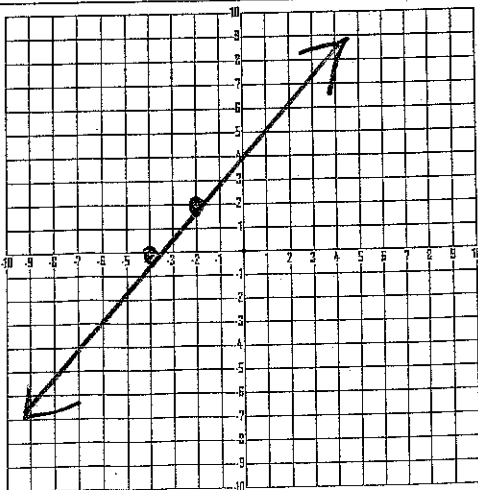
x int.

y int.



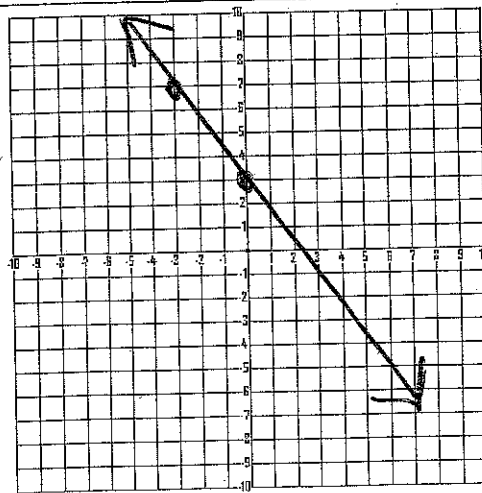
x int.

y int.



positive
or
negative

Slope =

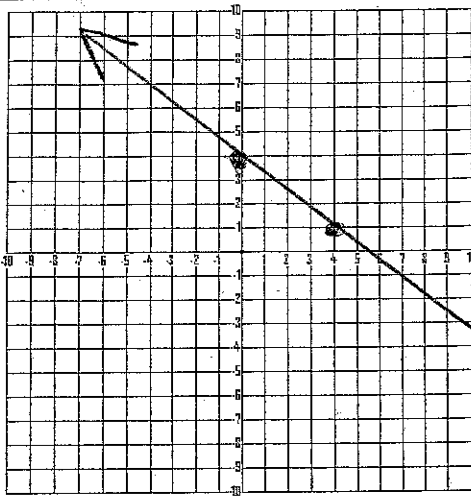


positive
or
negative

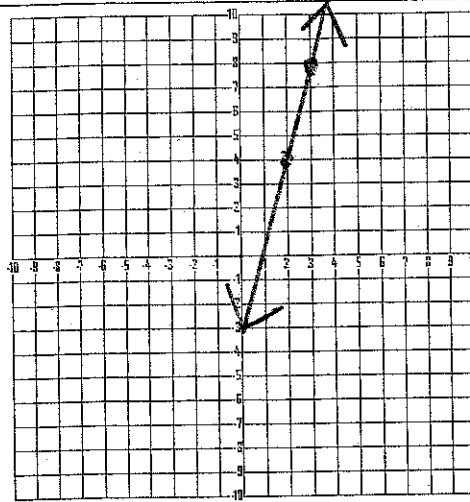
Slope =

Name:

Date:



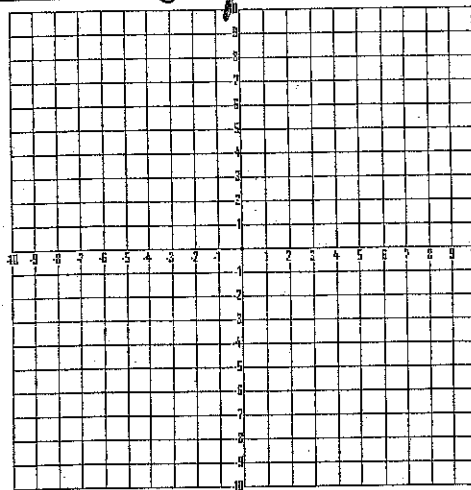
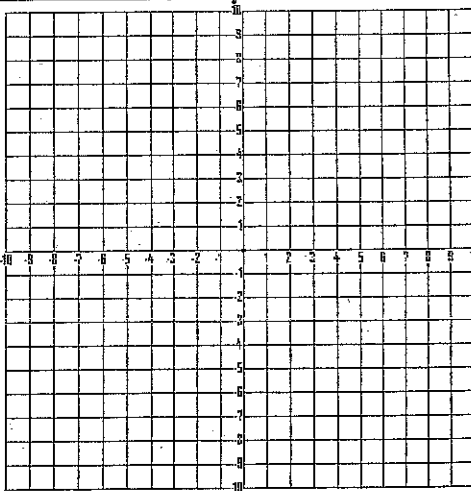
positive
or
negative



positive
or
negative

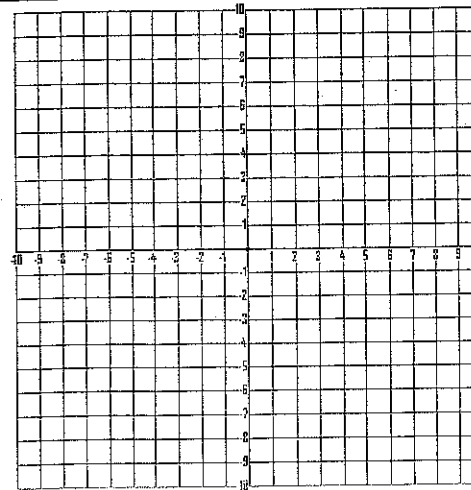
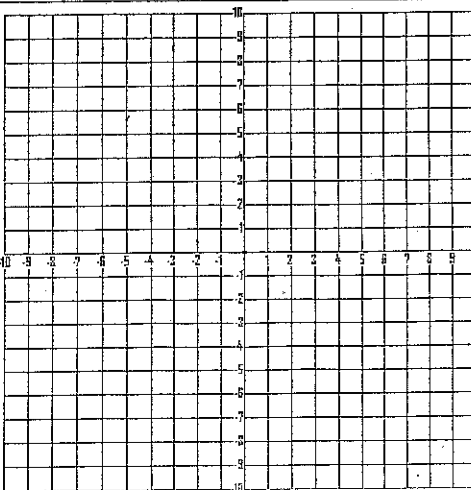
slope =

slope =



graph: $y = \frac{1}{2}x + 3$

graph: $y = -2x + 4$

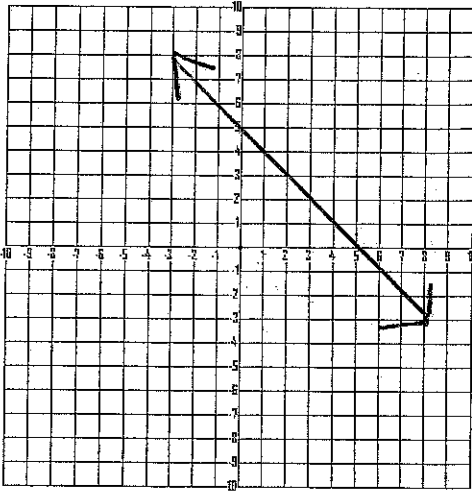


graph: $y = -\frac{2}{3}x - 1$

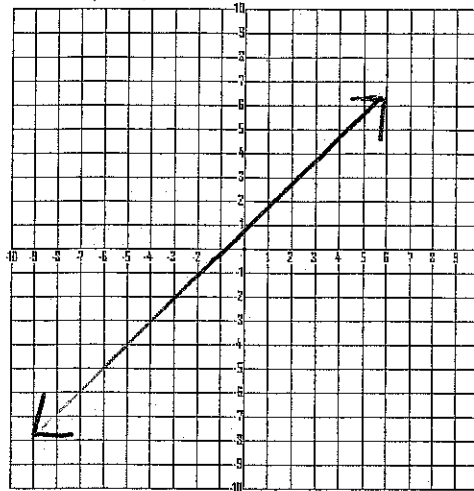
graph: $y = 4x - 6$

Name:

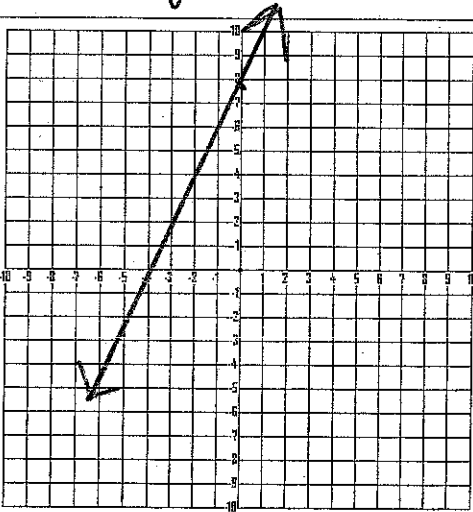
Date:



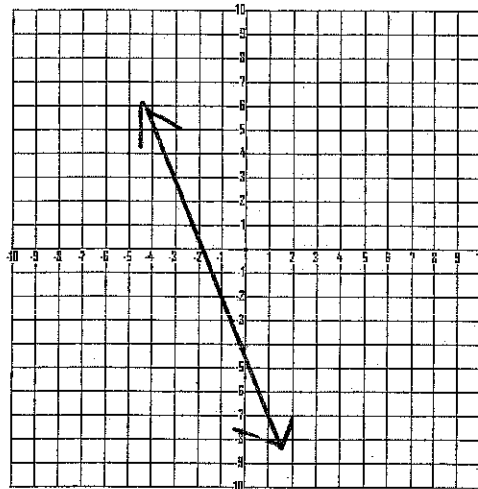
Write an equation:



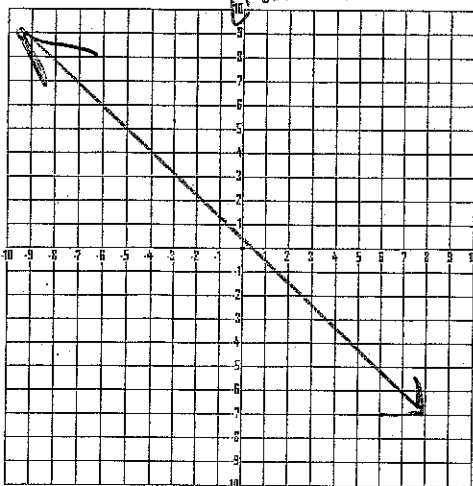
Write an equation:



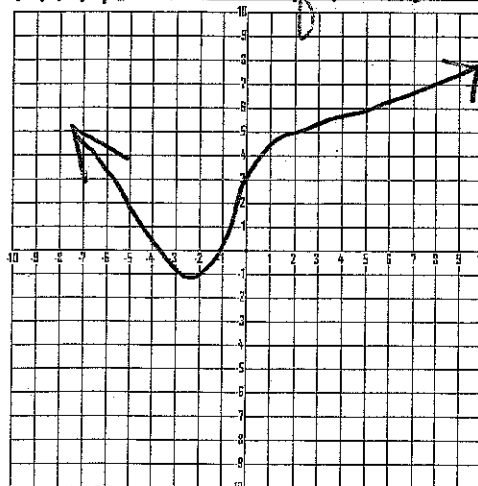
Write an equation:



Write an equation:



Constant
or
Variable



Constant
or
Variable

Is the following arithmetic or geometric? Determine the following three terms in the sequence.

1. 25, 50, 75, 100

2. -4, -1, 2, 5

3. 4, -8, 16, 32

Find the slope of the given ordered pairs.

1. (1, 7) and (0, -3)

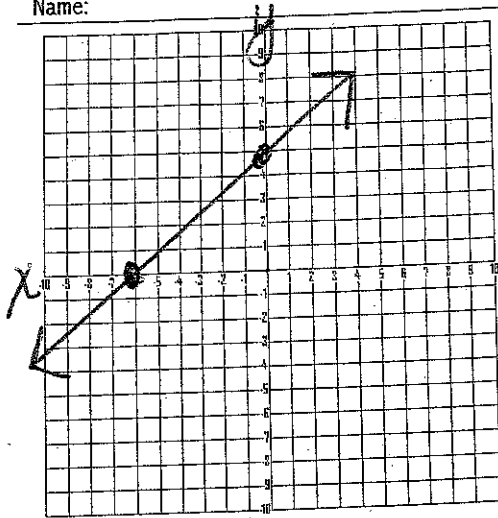
2. (-4, 8) and (2, -9)

3. (1, -2) and (6, 4)

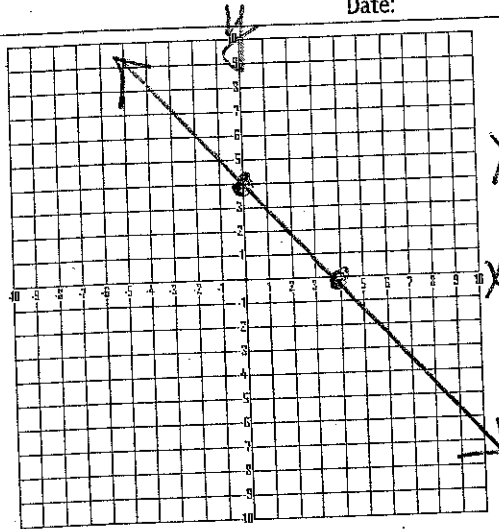
4. (5, -3) and (-4, 9)

Name:

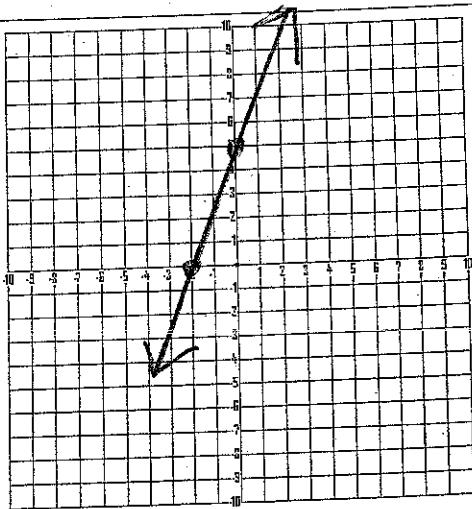
Date:



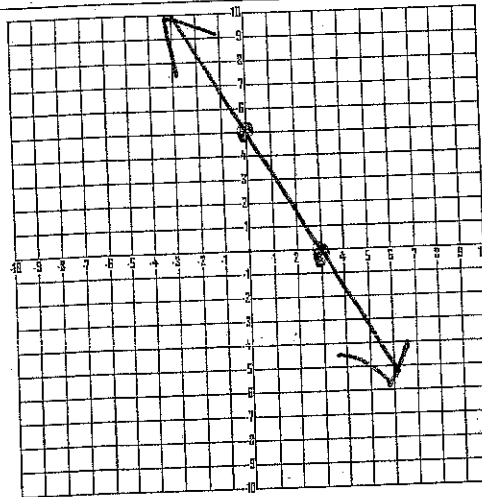
x int.
(-6, 0)
y int.
(0, 5)



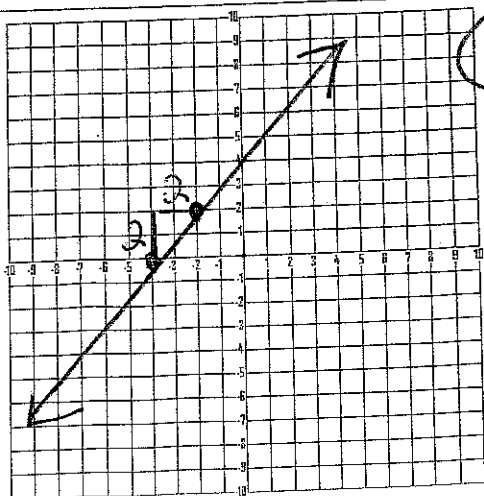
x int.
(4, 0)
y int.
(0, 4)



x int.
(-2, 0)
y int.
(0, 5)

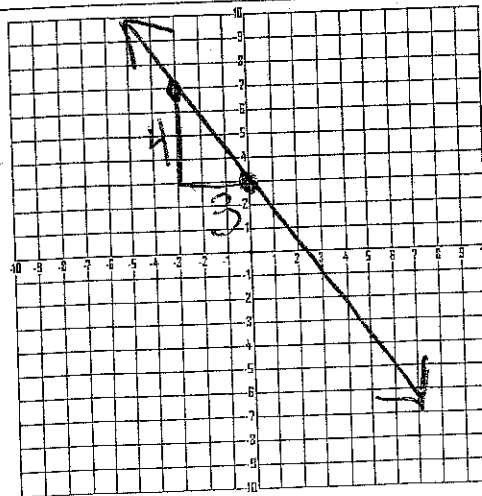


x int.
(3, 0)
y int.
(0, 5)



positive
or
negative

$$\text{slope} = \frac{\text{rise}}{\text{run}} = \frac{2}{3} = \frac{2}{3}$$

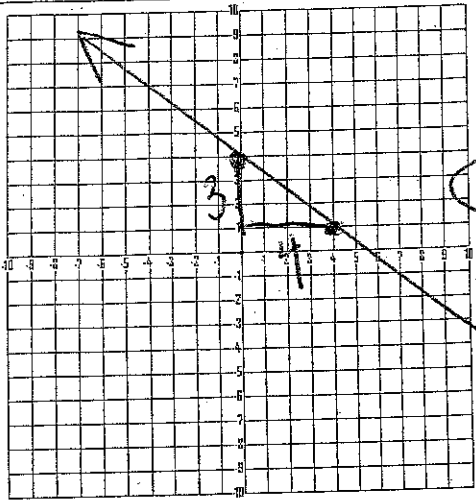


positive
or
negative

$$\text{slope} = \frac{\text{rise}}{\text{run}} = -\frac{4}{3}$$

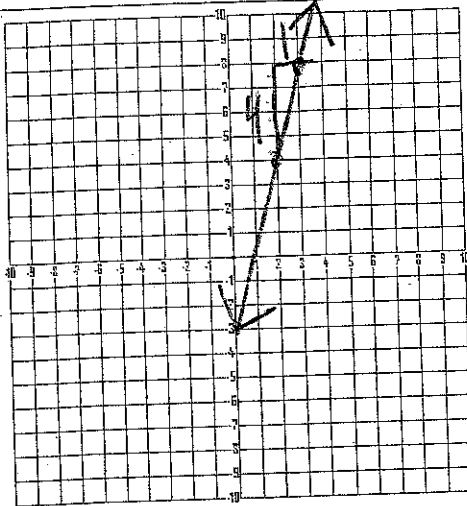
Name:

Date:



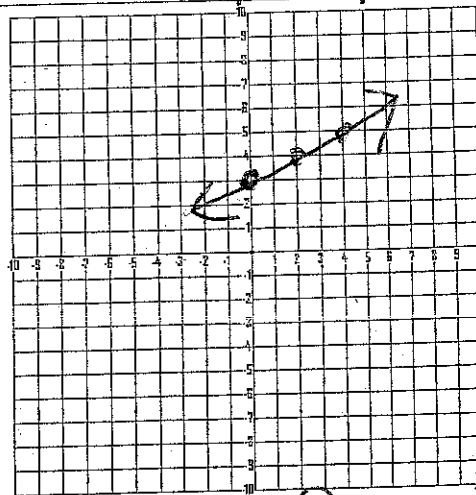
positive
or
negative

$$\text{slope} = \frac{\text{rise}}{\text{run}} = \frac{-3}{4}$$

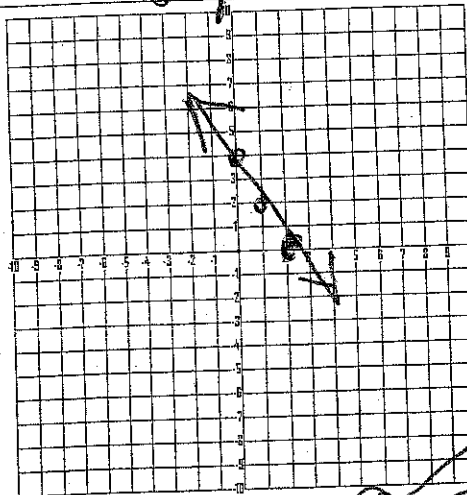


positive
or
negative

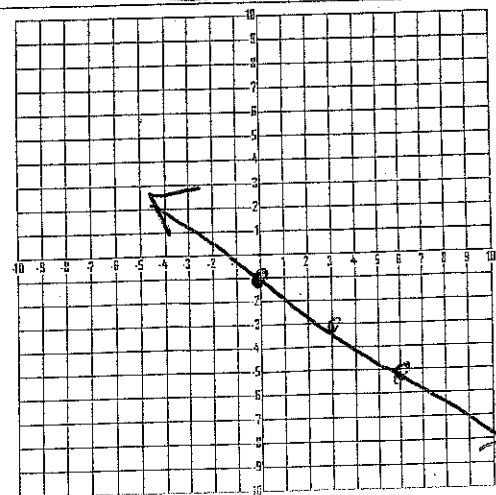
$$\text{slope} = \frac{\text{rise}}{\text{run}} = \frac{4}{1} = 4$$



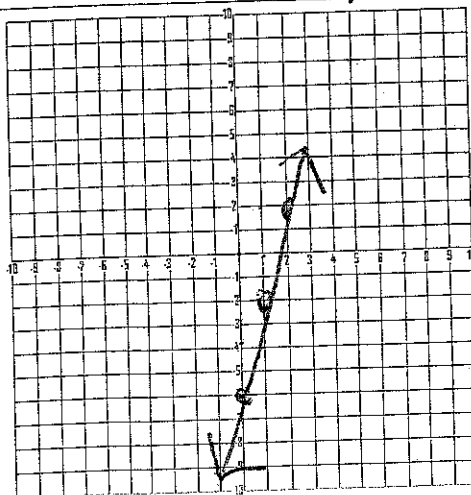
slope
graph: $y = \frac{1}{3}x + 3$ start at y int.



slope
graph: $y = -\frac{2}{3}x + 4$ start at y int.



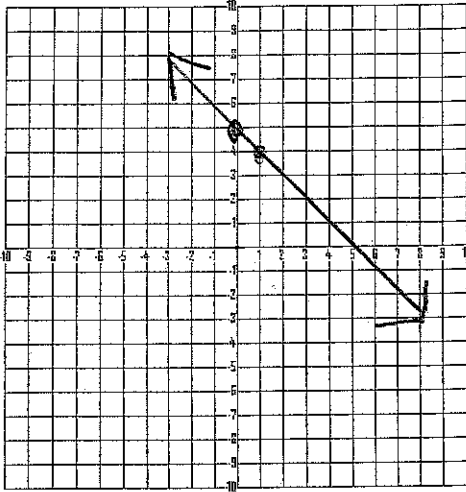
graph: $y = -\frac{2}{3}x - 1$



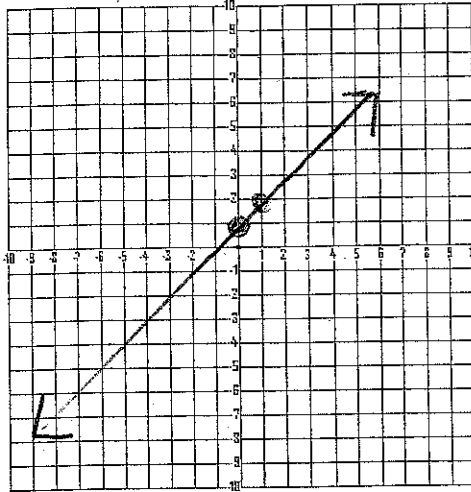
graph: $y = 4x - 6$

Name:

Date:

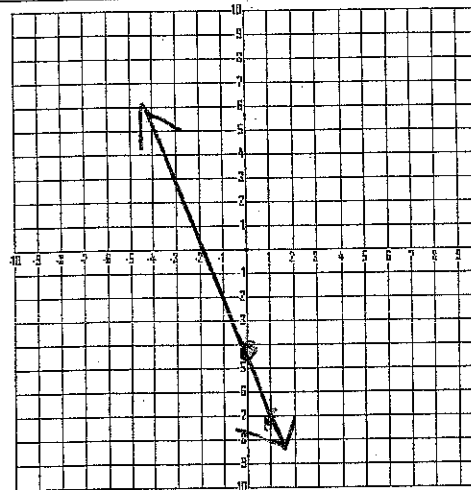
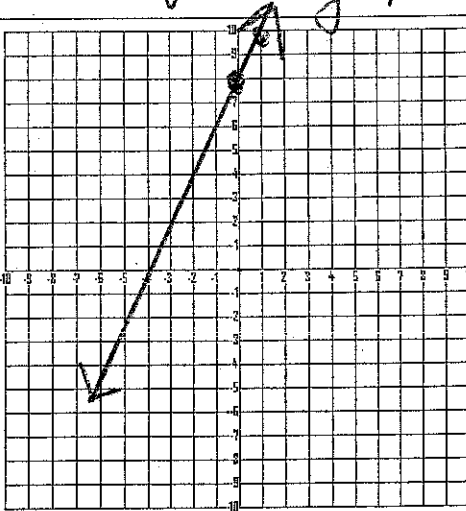


Find the
y int.
first!
(5)
Then
slope



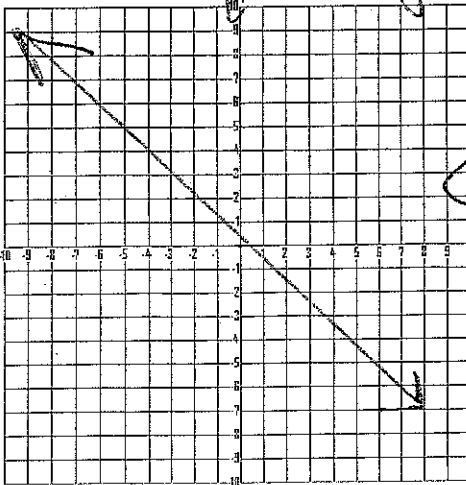
Write an equation: $y = -x + 5$

Write an equation: $y = x + 1$

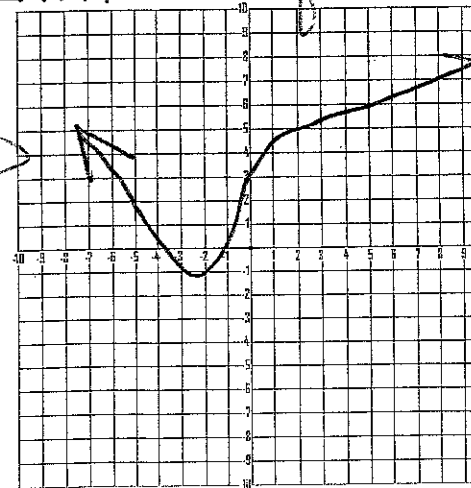


Write an equation: $y = 2x + 8$

Write an equation: $y = -3x - 4$



Constant
or
Variable



Constant
or
Variable

Is the following arithmetic or geometric? Determine the following three terms in the sequence.

1. $\sqrt{25}, 50, 75, 100, \dots, 125, 150, 175$
 $+25$ arithmetic

2. $\sqrt{-4}, -1, 2, 5, \dots, 8, 11, 14$
 $+3$ arithmetic

3. $\sqrt{4}, \sqrt{-8}, \sqrt{16}, \sqrt{-32}, \dots, 64, -128, 256$
 $\times 2 \times -2$

geometric

Find the slope of the given ordered pairs.

1. (x_1, y_1) and (x_2, y_2)
 $(1, 7)$ and $(0, -3)$
 $\frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 7}{0 - 1} = \frac{-10}{-1} = 10$

2. (x_1, y_1) and (x_2, y_2)
 $(-4, 8)$ and $(2, -9)$
 $\frac{-9 - 8}{2 - (-4)} = \frac{-17}{8}$

3. (x_1, y_1) and (x_2, y_2)
 $(1, -2)$ and $(6, 4)$
 $\frac{4 - (-2)}{6 - 1} = \frac{6}{5}$

4. (x_1, y_1) and (x_2, y_2)
 $(5, -3)$ and $(-4, 9)$
 $\frac{9 - (-3)}{-4 - 5} = \frac{12}{-9} = \frac{4}{-3} = -\frac{4}{3}$