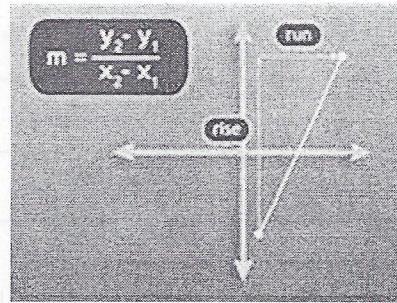


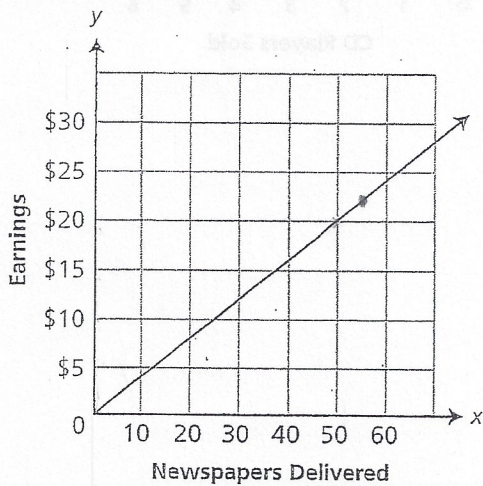
Name _____

Date _____

S L O P E



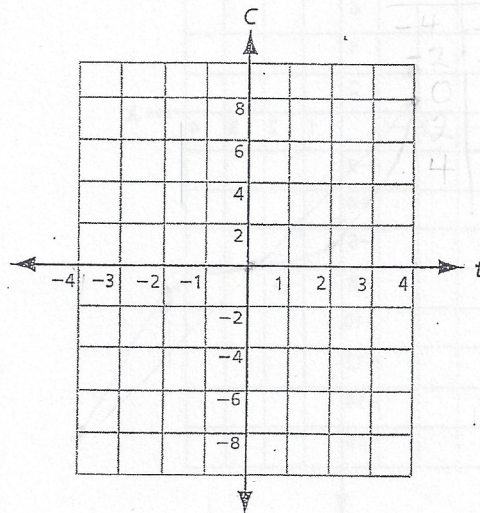
Questions 1-3: The graph below shows how much Madison earns based on the number of newspapers she delivers. Use the graph to answer the questions.



- Madison delivered 55 newspapers on Sunday. How much did she earn?
 - (A) \$18
 - (B) \$20
 - (C) \$22
 - (D) \$25
- Use the points (0, 0) and (50, 20) to find the slope of the line in simplest form.
 - (A) $2\frac{1}{2}$
 - (B) $\frac{2}{5}$
 - (C) $\frac{3}{5}$
 - (D) $\frac{3}{2}$
- Does the graph shown for Madison's earnings have positive or negative slope?

Answer: positive

- Michael performed an experiment. He recorded the temperature of some ice every minute. After 4 minutes, he added a chemical and continued to record the temperature every minute. He discovered that the equation $C = \frac{1}{8}t^3$ illustrates his data, where t represents the time and C represents degrees centigrade. Using $-4, -2, 0, 2,$ and 4 as values for t , graph the equation.



- In the experiment above, Michael used $t = 0$ for the time when he added the chemical. How many minutes before he added the chemical was the temperature of the ice -8°C ?
 - (A) 1 minute
 - (B) 2 minutes
 - (C) 3 minutes
 - (D) 4 minutes

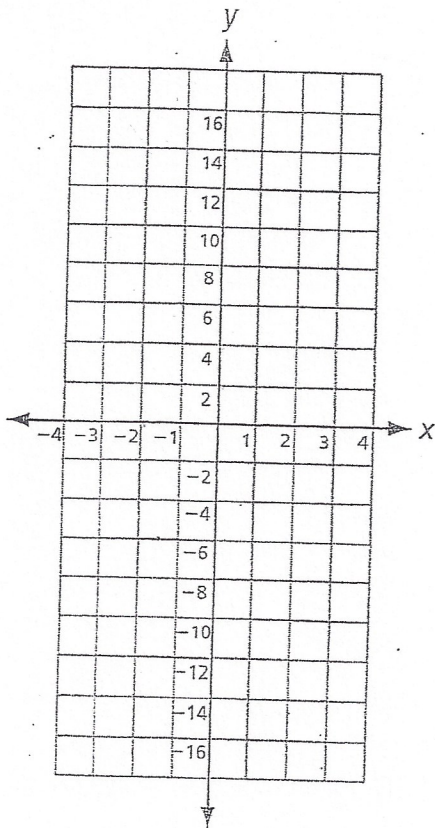
Questions 6-8: Use the equation below to answer the questions.

$$y = -3x + 8$$

6 Complete this table of values for the equation.

x	-2	-1	0	1	2
y					

7 Graph the equation.



8 Choose any two points on the line and find the slope of the line.

Answer: _____

9 Yvonne earns \$6 per hour at CD Mart. She receives a bonus of \$10 for each CD player she sells. Yvonne always works 4-hour shifts. Write an equation you could use to find Yvonne's earnings for one day with c representing the number of CD players she sells and e representing her earnings for 1 day. Then graph the equation.

Equation: _____

