

Station 1

Find the slope in each question.

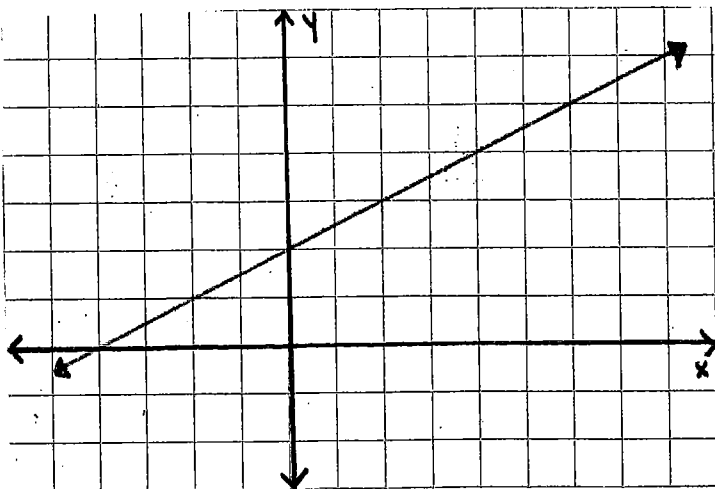
1) $(19, -2)$ $(-11, 10)$

2) $(6, -12)$ $(15, -3)$

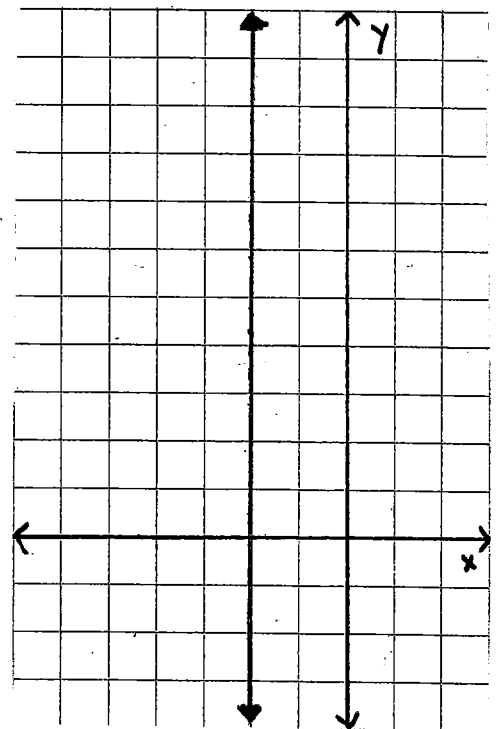
3) $(3, 4)$ $(18, 4)$

4) $(-3, -7)$ $(-8, -1)$

5)



6)



Station 2

Write the linear equation. ($y = mx + b$)

1) $m = \frac{1}{4}$ $b = -6$ 2) $b = 13$ $m = \frac{5}{3}$

3) $(12, 5)$ $(9, 8)$

4) $(3, 2)$ $(6, -5)$

Identify the slope and y-intercept

5) $y = -\frac{1}{3} + \frac{5}{8}x$

6) $y + 6 = \frac{2}{3}x$

Station 3

Graph each function/equation. Label the slope and y-intercept too!

1) $y + 2 = \frac{3}{5}x$

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

3) $y = -3x - 2$

4) $x = -2$

5) $y = -\frac{2}{3}x + 5$

6) $4y + 4 = 1x$
CHALLENGE

Station 4

Determine if each item is linear or not. If it is linear, identify the slope or rate of change.

1)

X	Y
0	-1
1	-3
2	-9
3	-27

2)

# Days	TEMP (°C)
-3	-18
-1	-23
1	-28
3	-33

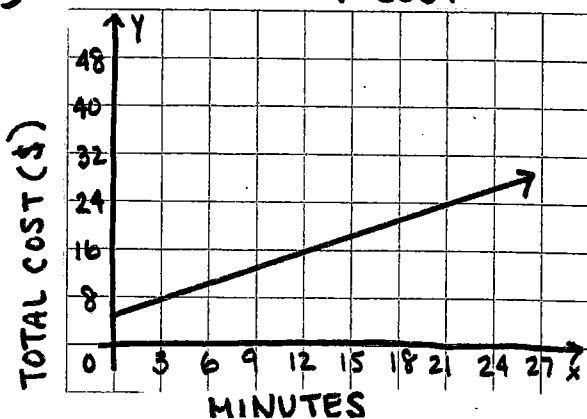
3)

Time (s)	Height (ft)
2	9
3	18
4	27
5	36

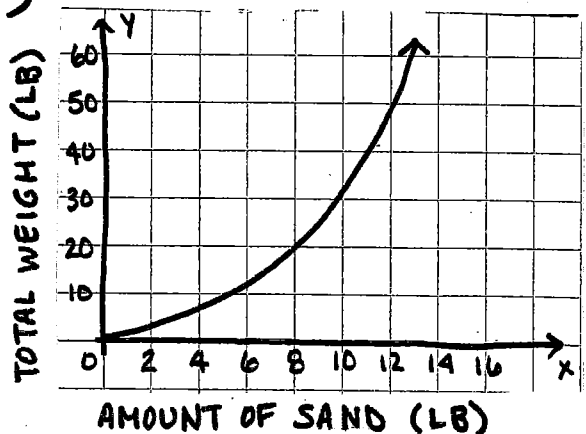
4)

X	Y
-6	21
-4	16
-2	11
0	6

5) CALLING PLAN → COST



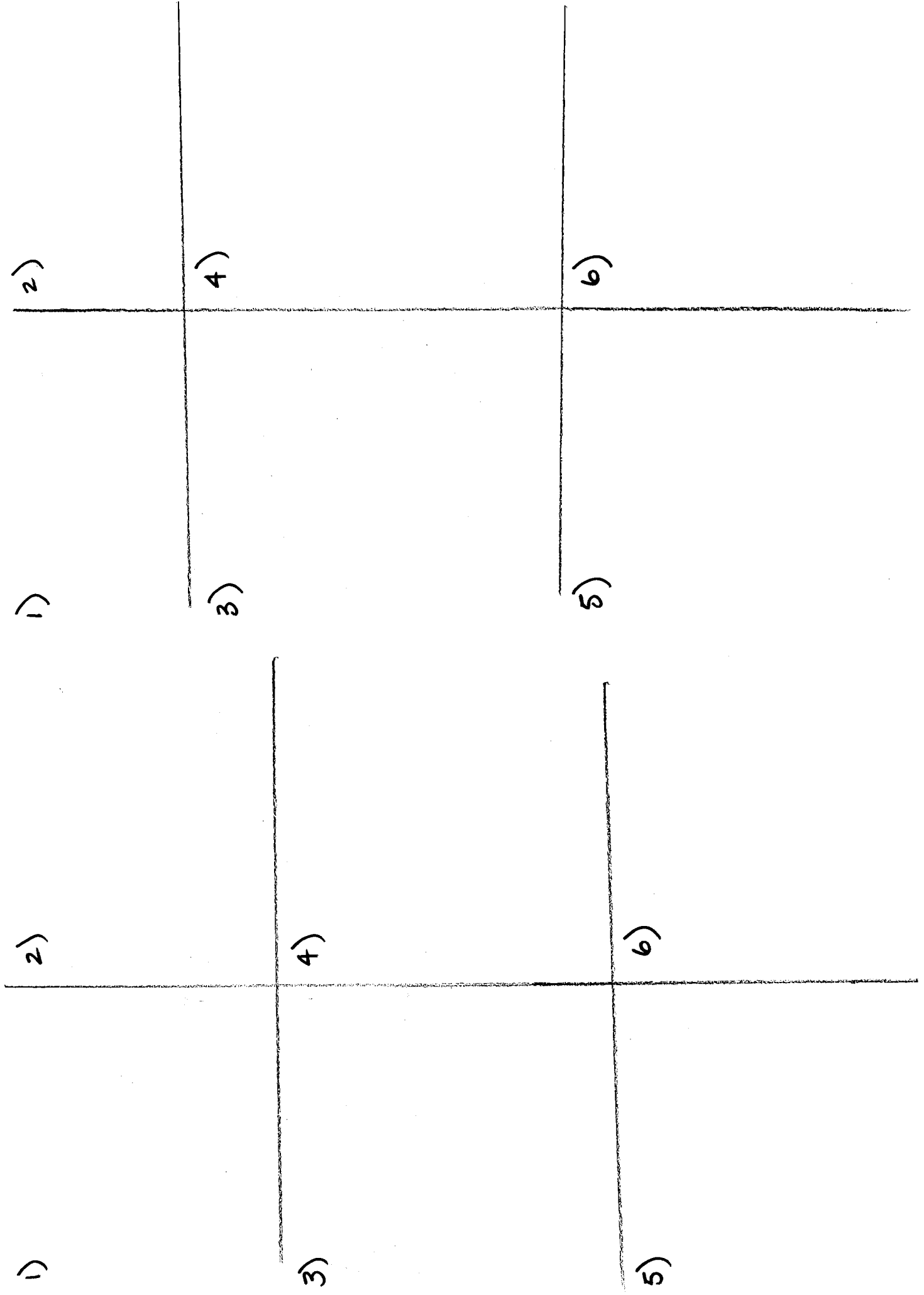
6) BUCKETS! ↓



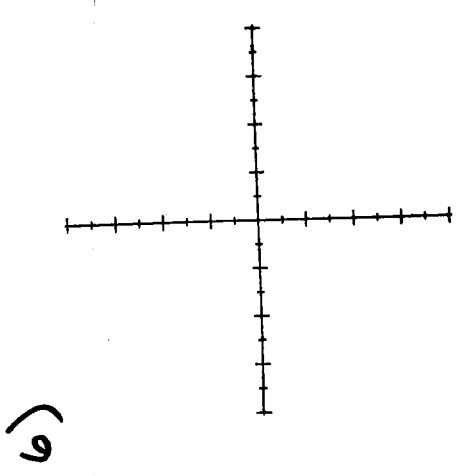
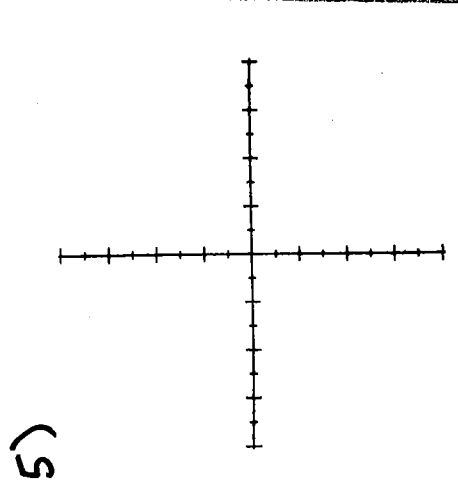
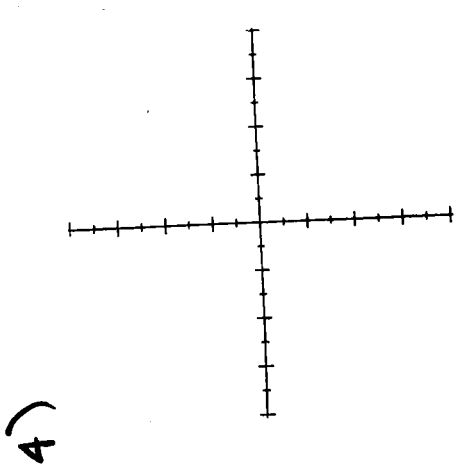
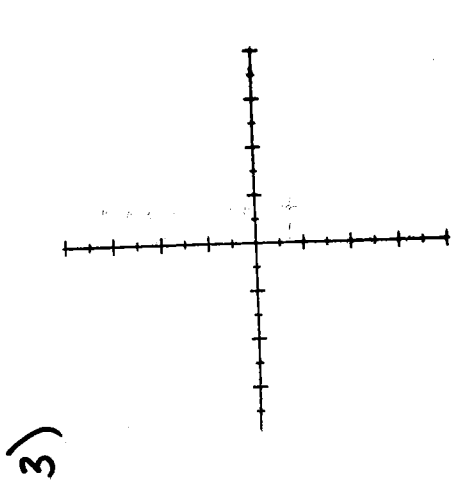
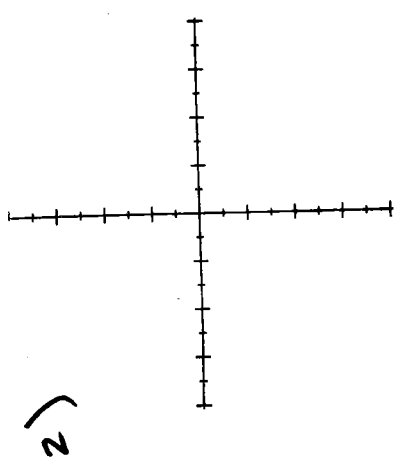
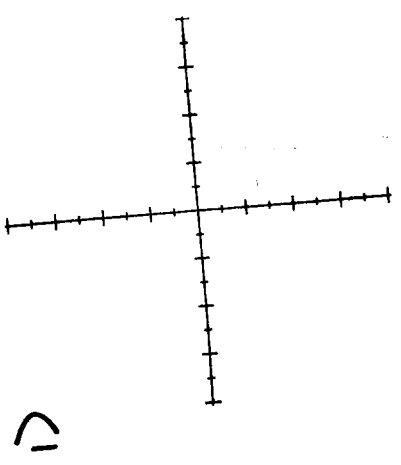
STATION 1 WORK

NAME: _____

STATION 2 WORK

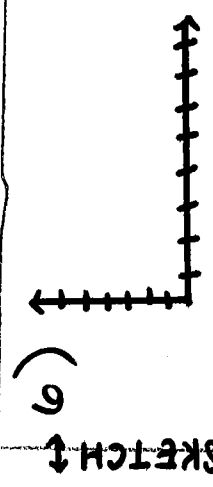
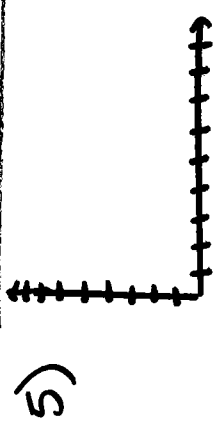
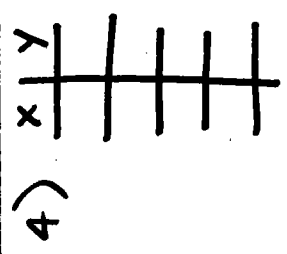
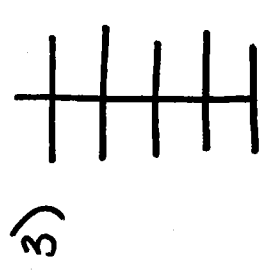
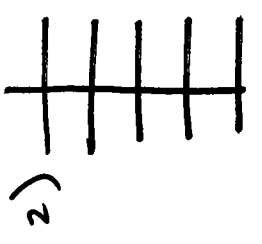
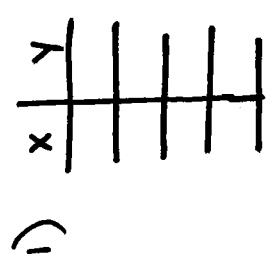


STATION 3 WORK



STATION 4

WORK



SKETCH

STATION 1 HELP

How do we find slope given two points $(x_1, y_1), (x_2, y_2)$?

How do we find slope given a graph? Two ways:

-
-

STATION 3 HELP

Graphing Equations want in form

$$y = \underline{\hspace{2cm}}$$

Start @ y-intercept

move $\frac{\text{rise}}{\text{run}}$ $\begin{array}{c} \uparrow + \quad \downarrow - \\ \leftarrow - \quad \rightarrow + \end{array}$

STATION 2 HELP

What is slope intercept form?

What represents (letter) slope?

y-intercept?

Write slope intercept form given two points?

- ex $(-4, 8) (1, 3)$
-
-

STATION 3 HELP

Linear means the slope is

Rate of Change (ROC) has

Mark up the sides of the

Careful for scale and units!