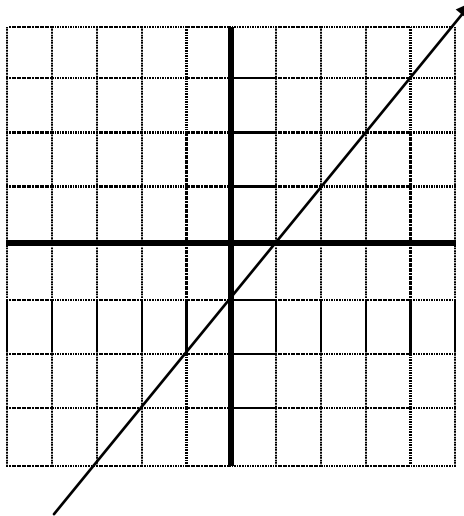


Practice *Moving Straight Ahead Unit Test*

Does it make a difference what two points you choose on a straight line to find the slope of a line? Use the line below to help explain your answer.



Write an equation for the line above.

Hints: y-intercept= _____ slope= _____

Practice *Moving Straight Ahead Unit Test*

Solve the following equations for x . **SHOW YOUR WORK** and **CHECK YOUR ANSWER!!!**

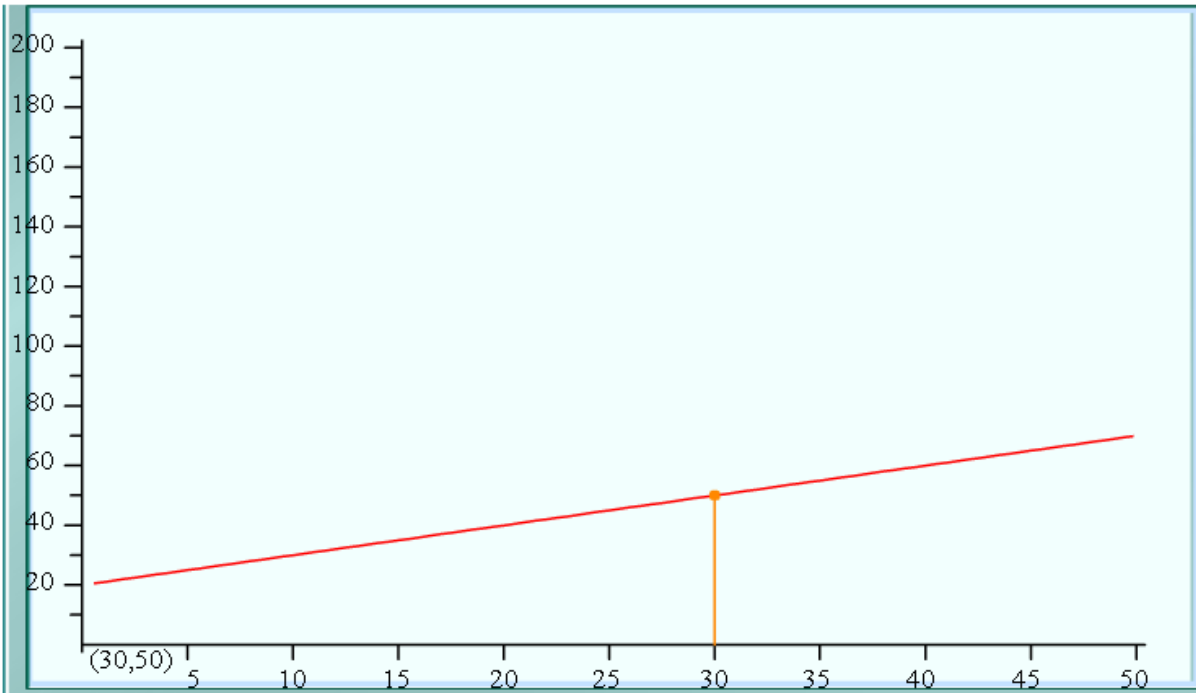
$$14 - 2x = 12x$$

$$3x - 2 = 6x + 4$$

$$2x + 21 = 6x + 1$$

$$5(x - 1) = 12$$

Practice *Moving Straight Ahead Unit Test*



John is studying walking rates and entered the equation $y=20+x$ into his graphing calculator and produced this graph. He highlighted the point on the graph. x =time y =distance

- What question could John be trying to answer by using this graph and point?
- Write the question for part(a) as an equation that could be used to find the answer.

Practice *Moving Straight Ahead Unit Test*

The YMCA is offering a special price on memberships. The membership cost \$55 a year plus \$2 per visit. For non-members, the cost to visit the YMCA is \$6.50.

- a. Make a table that shows the number of visits V and the cost for members (C_1) and non-members (C_2). (0-14 visits)

- b. On the same set of axes, graph the relationship of cost and number of visits for members and non-members.
- c. Write an equation that shows the number of visits V and the cost for members (C_1) and non-members (C_2).
- d. What is the slope of each line of the equations in part (c)?
- e. What information does the slope of each line represent in this context?
- f. Explain how you could find the slope from a table. A graph? An equation?
- g. What information does the y -intercept of each line represent in this context?

Practice *Moving Straight Ahead Unit Test*

A.

x	y
-2	2
-1	2
0	2
1	2
2	2

B.

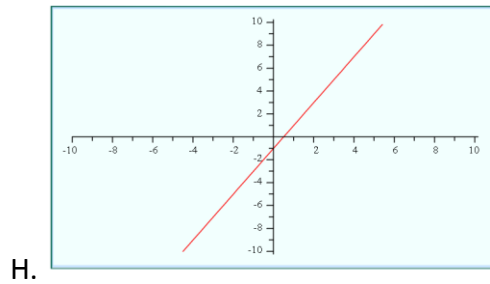
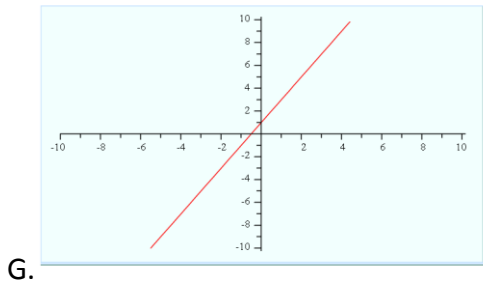
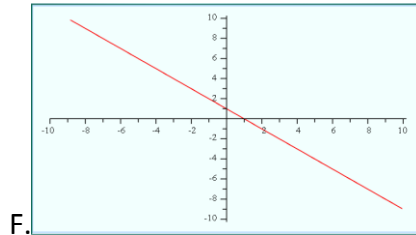
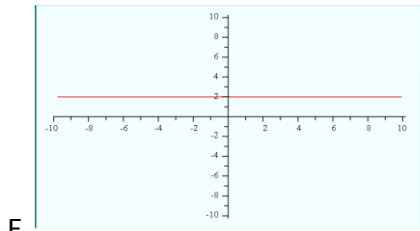
x	y
-2	-3
-1	-1
0	1
1	3
2	5

C.

x	y
-2	-5
-1	-3
0	-1
1	1
2	3

D.

x	y
-2	3
-1	2
0	1
1	0
2	-1



$$y = 2x - 1$$

$$y = 2x + 1$$

$$y = 2$$

$$y = -x + 1$$

Group 1	
Group 2	
Group 3	
Group 4	

Match a table with a graph and an equation. List the results in the table above.