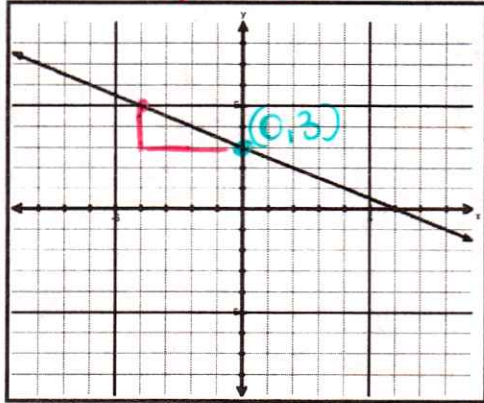
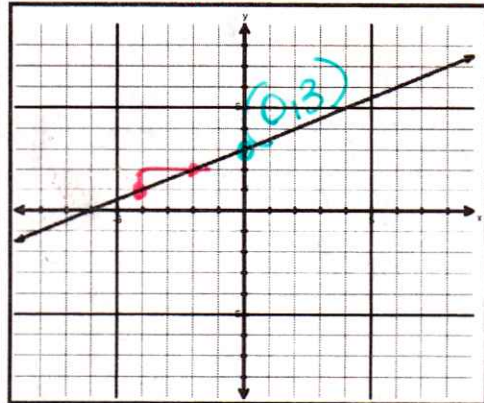


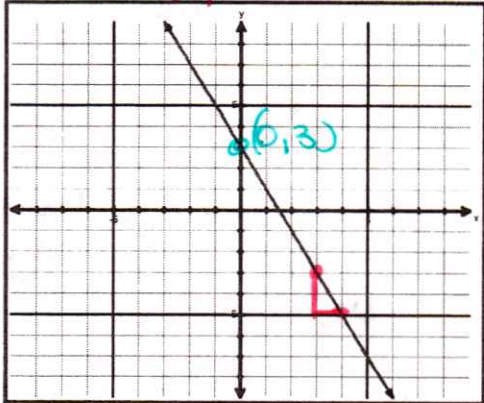
A $m = -\frac{2}{4} \rightarrow -\frac{1}{2}$ $b = 3$



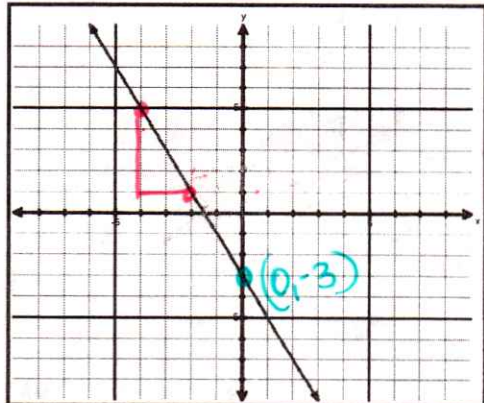
B $m = \frac{1}{2}$ $b = 3$



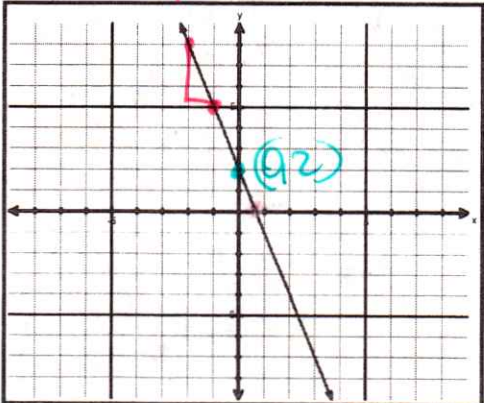
C $m = -\frac{3}{1} \rightarrow -3$ $b = 3$



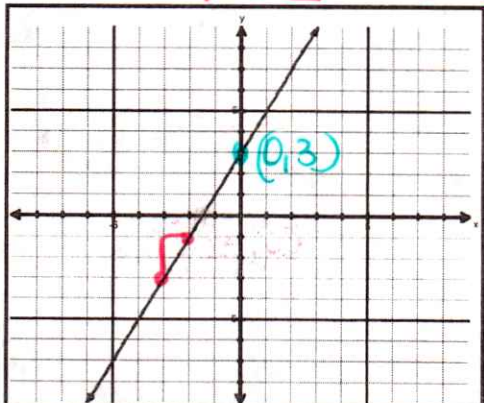
D $m = -\frac{4}{2} \rightarrow -2$ $b = -3$



E $m = -\frac{3}{1} \rightarrow -3$ $b = 2$

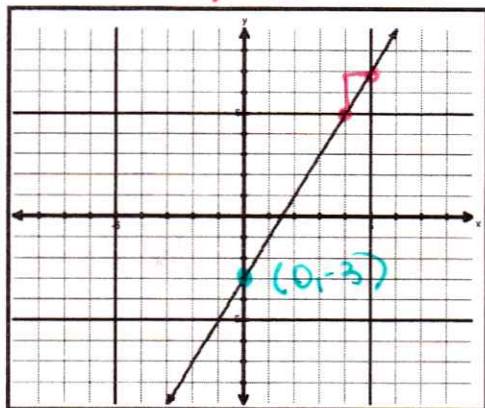


F $m = \frac{3}{1} \rightarrow 3$ $b = 3$

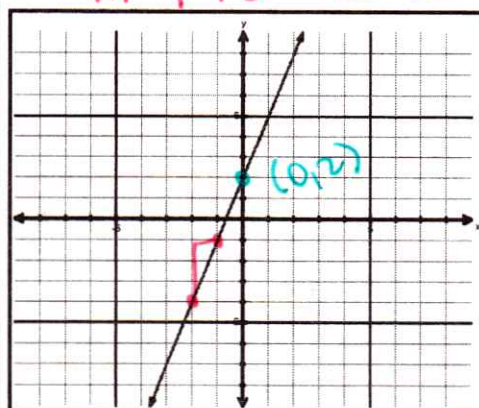


G

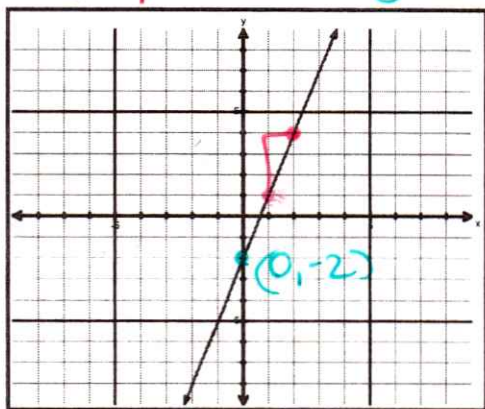
$$m = \frac{2}{1} \rightarrow 2 \quad b = -3$$

**H**

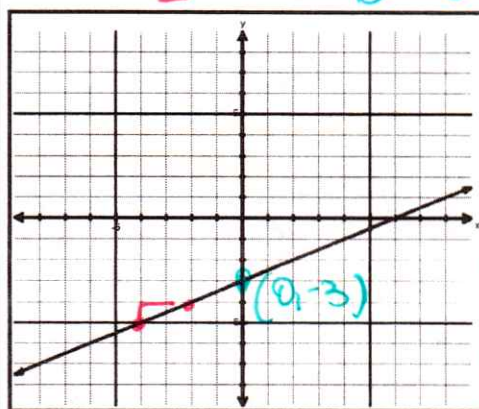
$$m = \frac{3}{1} \rightarrow 3 \quad b = 2$$

**I**

$$m = \frac{3}{1} \rightarrow 3 \quad b = -2$$

**J**

$$m = \frac{1}{2} \quad b = -3$$



1

$$m = \frac{1}{2}$$

$$b = -3$$

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

2

$$m = -3$$

$$b = 2$$

$$y = -3x + 2$$

3

$$m = 2$$

$$2x - y = 3$$

$$b = 3$$

$$y = 2x - 3$$

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

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

$$y = 2x - 3$$

4

$$m = 3$$

$$3x - y = -2$$

$$b = 2$$

$$-y = -3x - 2$$

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

$$y = 3x + 2$$

5

$$m = -2$$

$$b = -3$$

$$y = -2x - 3$$

6

$$m = -2$$

$$b = 3$$

$$2x + y = 3$$

$$y = -2x + 3$$

7

$$m = \frac{1}{2}$$

$$b = 3$$

$$x + 2y = 6$$

$$\frac{2y}{2} = \frac{1x + 6}{2}$$

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

8

$$m = 2$$

$$b = 3$$

$$y = 2x + 3$$

9

$$m = 3$$

$$b = -2$$

$$y = -2 + 3x$$

10

$$m = \frac{1}{2}$$

$$b = 3$$

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

11

slope: 2
y-intercept: 3

12

slope: 2
y-intercept: -3

13

slope: -2
y-intercept: -3

14

slope: 3
y-intercept: -2

15

slope: $\frac{1}{2}$
y-intercept: -3

16

slope: -2
y-intercept: 3

17

slope: $\frac{1}{2}$
y-intercept: 3

18

slope: $-\frac{1}{2}$
y-intercept: 3

19

slope: -3
y-intercept: 2

20

Slope: 3
y-intercept: 2

$$m = \frac{y_2 - y_1}{x_2 - x_1} \quad \text{or} \quad \frac{\Delta y}{\Delta x}$$

21 $m = \frac{-3 - 4}{0 - -2} \rightarrow \frac{1}{2}$

x	-2	0	2	4
y	-4	^b -3	-2	-1

22 $m = \frac{6}{2} \rightarrow 3$

x	-2	0	2	4
y	-4	^b 2	8	14

23 $\frac{\Delta y}{\Delta x} \rightarrow \frac{4}{2} \rightarrow 2$

x	-2	0	2	4
y	-1	^b 3	7	11

24 $m = \frac{1-5}{2-4} \rightarrow \frac{-4}{-2} \rightarrow 2$

x	-2	0	2	4
y	-7	^b -3	1	5

25 $m = \frac{-4}{2} \rightarrow -2$

x	-2	0	2	4
y	7	^b 3	-1	-5

26 $\frac{4-5}{2-4} \rightarrow \frac{-1}{-2} \rightarrow \frac{1}{2}$

x	-2	0	2	4
y	2	^b 3	4	5

27 $m = \frac{6}{2} \rightarrow 3$

x	-2	0	2	4
y	-8	^b -2	4	10

28 $\frac{2-8}{0-2} \rightarrow \frac{-6}{-2} \rightarrow -3$

x	-2	0	2	4
y	8	^b 2	-4	-10

29 $m = \frac{1-2}{4-2} \rightarrow \frac{-1}{2}$

x	-2	0	2	4
y	4	^b 3	2	1

30 $\frac{-4}{2} \rightarrow -2$

x	-2	0	2	4
y	1	^b -3	-7	-11

<p>31</p> <p>This graph has the same slope as graph B.</p> <p><i>compare m values</i></p>	<p>32</p> <p>This graph has the steepest negative slope.</p> <p><i>m = largest - #</i></p>
<p>33</p> <p>This graph has a negative slope and a negative y-intercept.</p> <p><i>m = -# b = -#</i></p>	<p>34</p> <p>This line represented by this graph is perpendicular to graphs F and G.</p> <p><i>perp ex -2 & 2 slopes</i></p>
<p>35</p> <p>This graph passes through (-1, -1) and has positive slope.</p> <p><i>m = + #</i></p>	<p>36</p> <p>The line represented by this graph is parallel to graph F.</p> <p><i>m values are the same</i></p>
<p>37</p> <p>This graph passes through the point (0, -2).</p> <p><i>b = -2</i></p>	<p>38</p> <p>This equation represented by this graph is equivalent to $x - 2y = -6$. <i>Solve for y</i></p> <p><i>$-2y = -x - 6 \rightarrow y = \frac{1}{2}x + 3$</i></p>
<p>39</p> <p>The line represented by this graph is parallel to graph D.</p> <p><i>m's are the same #</i></p>	<p>40</p> <p>The x-intercept of the line represented by this graph is between -1 and -2 and its slope is positive.</p> <p><i>m = + num.</i></p>

KEY 10/30/19

LINEAR SORTING AND MATCHING

ANSWER SHEET

GRAPH	EQUATION	SLOPE & Y-INTERCEPT	TABLE OF VALUES	DESCRIPTION
A	7	18	29	34
B	10	17	26	38
C	6	16	25	39
D	5	13	30	33
E	2	19	28	32
F	8	11	23	40
G	3	12	24	36
H	4	20	22	35
I	9	14	27	37
J	1	15	21	31