

1. Which of the following best describes the equation below?

$$y = -8x^2 - 13$$

- A. neither linear nor nonlinear  
 B. both linear and nonlinear  
 C. linear  
 D. nonlinear

2. Which of the following represents a relation that is NOT a function?

A. 

<b>x</b>	-8	-6	-8	1
<b>y</b>	27	25	33	27

B. 

<b>x</b>	-8	-6	5	13
<b>y</b>	27	25	33	27

C. 

<b>x</b>	-8	-6	-1	1
<b>y</b>	27	25	33	27

D. 

<b>x</b>	5	-6	13	-8
<b>y</b>	27	25	33	27

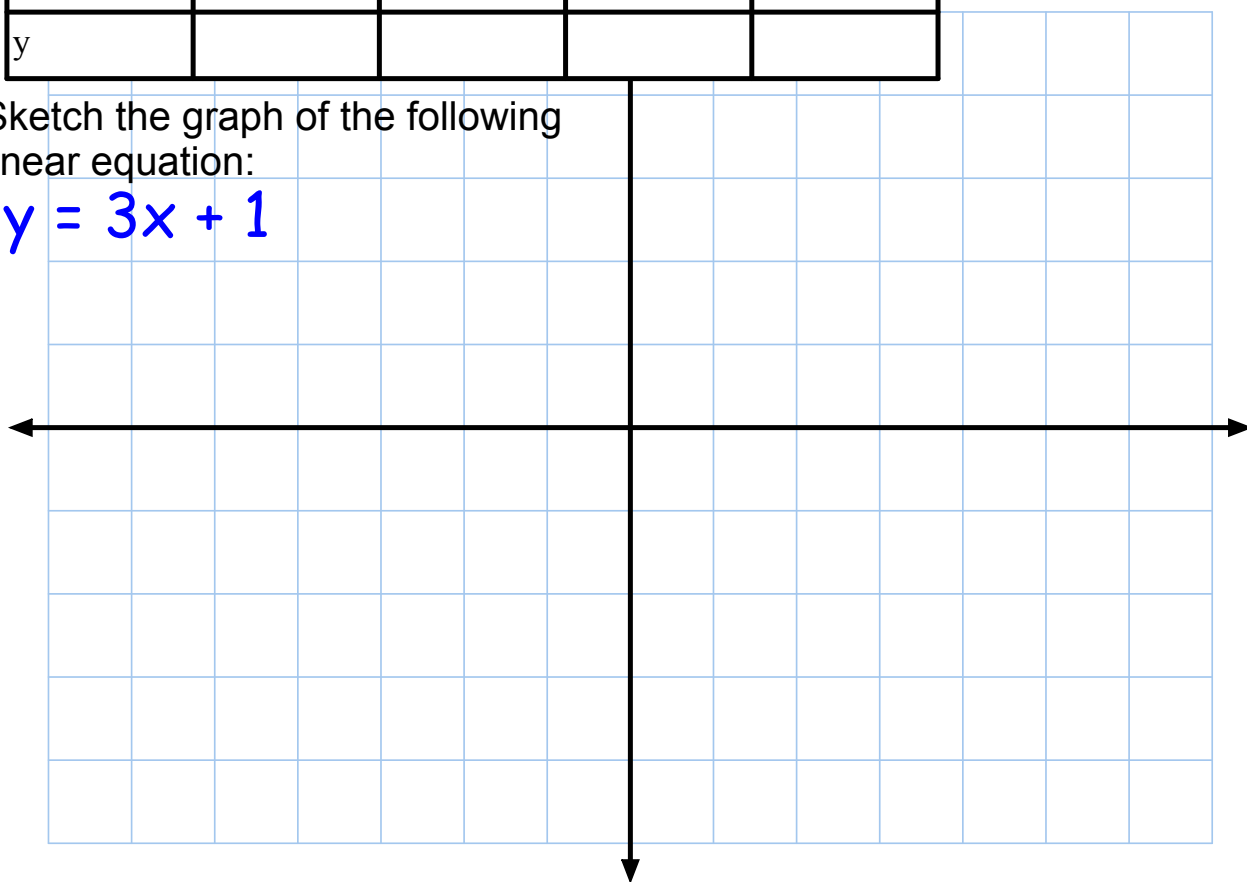
3. Which of the following relations is a function?

- A. (8, 1), (-1, 4), (4, 1), (8, 2)  
 B. (4, 4), (-1, 6), (4, 3), (-7, 2)  
 C. (4, 0), (-1, 3), (8, 1), (-1, 5)  
 D. (4, 4), (-1, 2), (8, 1), (-7, 2)

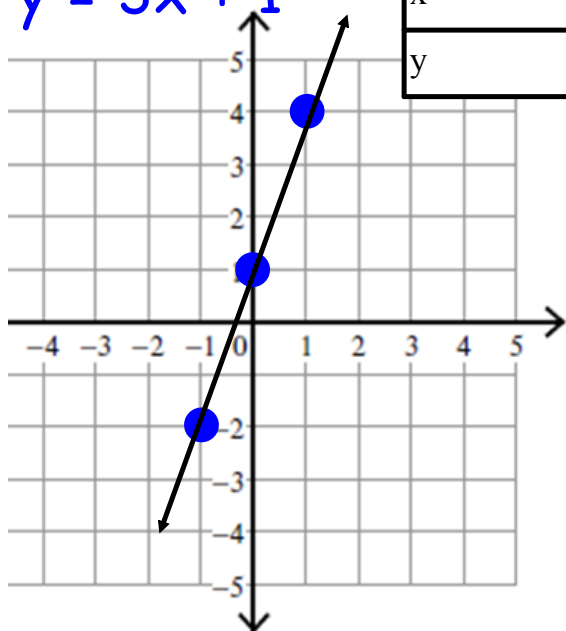
x	-1	0	1	2
y				

Sketch the graph of the following linear equation:

$$y = 3x + 1$$



$$y = 3x + 1$$

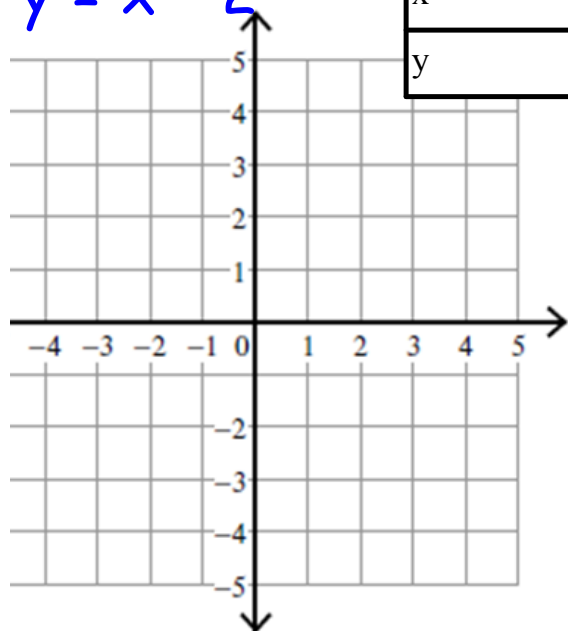


x	-1	0	1	2
y	-2	1	4	7

Linear Equations:

$$y = \underline{m} x \pm \underline{b}$$

$$y = x - 2$$

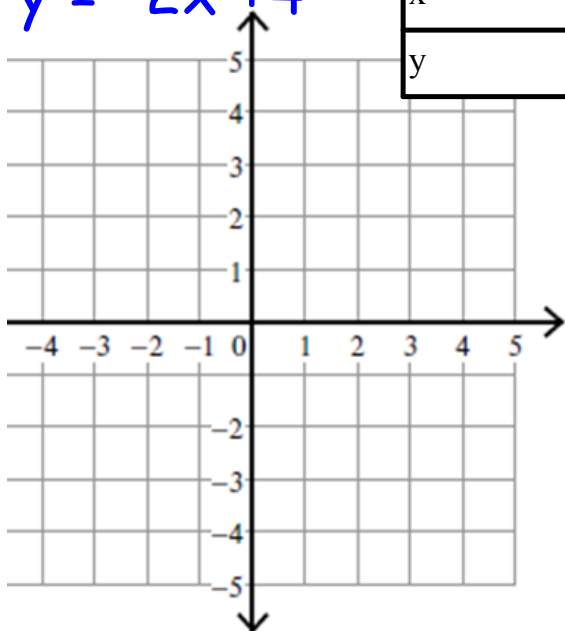


x	-1	0	1	2
y				

Linear Equations:

$$y = \underline{m} x \pm \underline{b}$$

$$y = -2x + 4$$

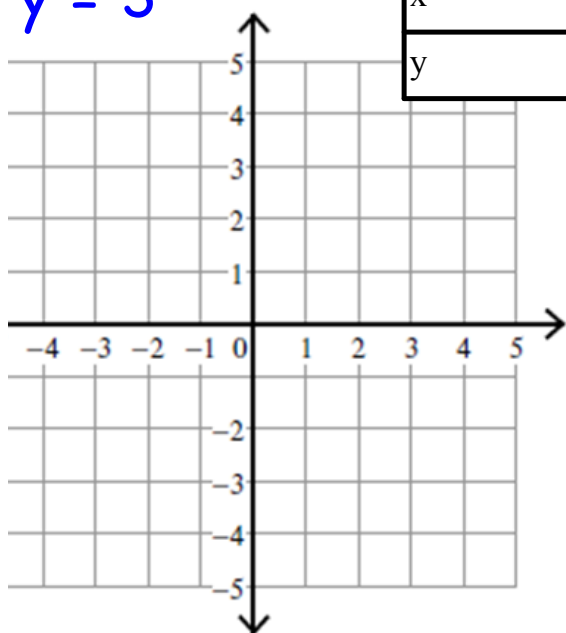


x	-1	0	1	2
y				

Linear Equations:

$$y = \underline{m} x \pm \underline{b}$$

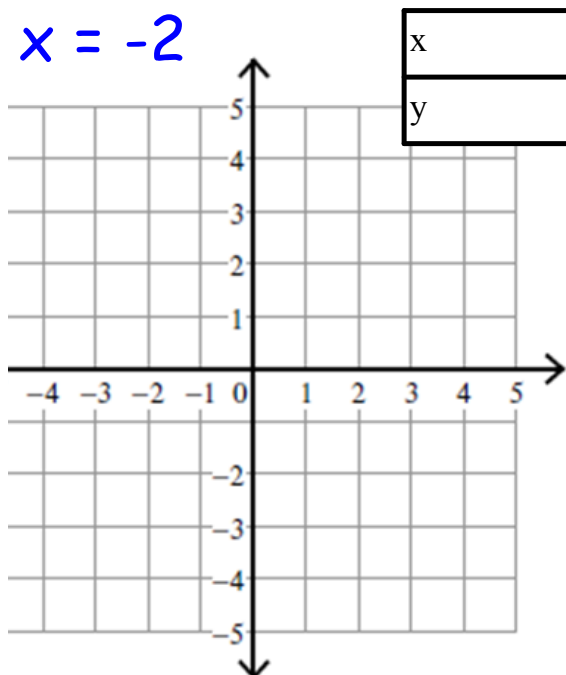
$$y = 3$$



x	-1	0	1	2
y				

Linear Equations:

$$y = \underline{m} x \pm \underline{b}$$



x				
y	-1	0	1	2

Linear Equations:

$$y = \underline{m} x \pm \underline{b}$$

Graph the following equations:

1.  $y = -x + 5$

4.  $y = -2$

2.  $y = -3x + 2$

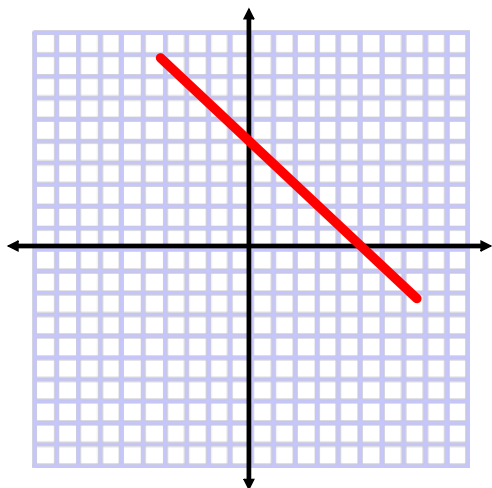
5.  $x = 2$

3.  $y = 4x - 3$

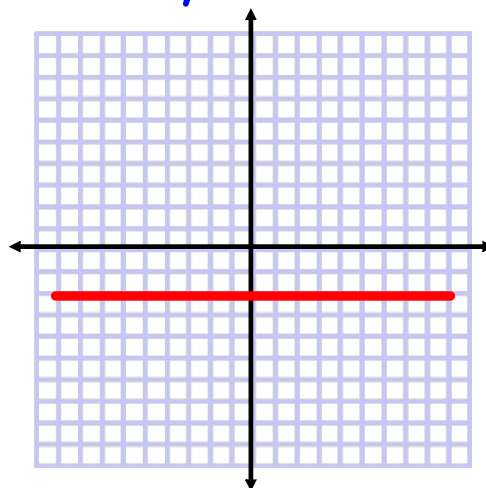


Graph the following equations:

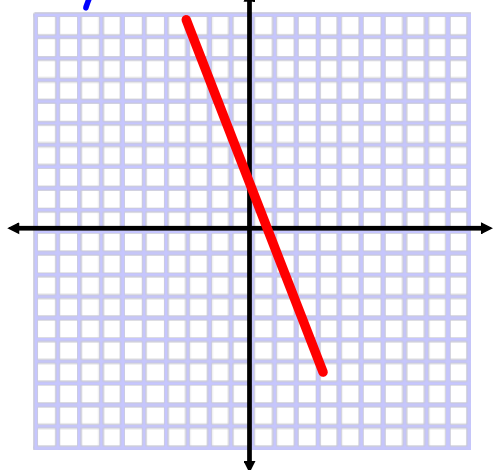
1.  $y = -x + 5$



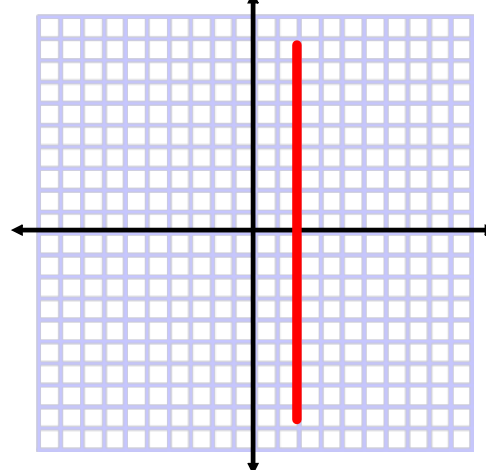
4.  $y = -2$



2.  $y = -3x + 2$



5.  $x = 2$



3.  $y = 4x - 3$

