

1. $y = x - 1$

x	y
-2	
-1	
0	
1	
2	

2. $y = x + 2$

x	y
-2	
-1	
0	
1	
2	

3. $y = 3 - x$

x	y
-2	
-1	
0	
1	
2	

4. $y = 2x + 2$

x	y
-2	
-1	
0	
1	
2	

The domain of each of the following equations is $\{-2, -1, 0, 1, 2\}$. Complete a table of values. Then, graph each equation.

5. $y = x + 1$

7. $y = 2x + 1$

9. $y = 3x + 4$

6. $y = x - 2$

8. $y = 2x - 1$

10. $y = 3x - 2$

Graph each equation. The domain is $\mathbb{R}$.

11. $y = x + 4$

13. $y = 2x - 4$

15. $y = 5 - 3x$

12. $y = 3x + 2$

14. $y = 4 - x$

16. $y = -2x + 7$

Given the table of values, write an equation for each relation.

17.

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

18.

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

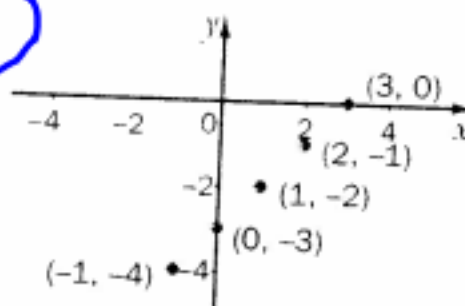
19.

x	y
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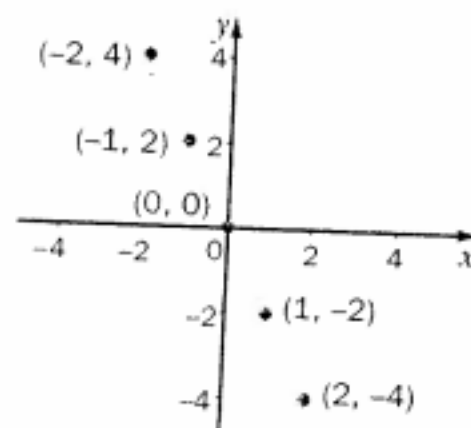
20.

x	y
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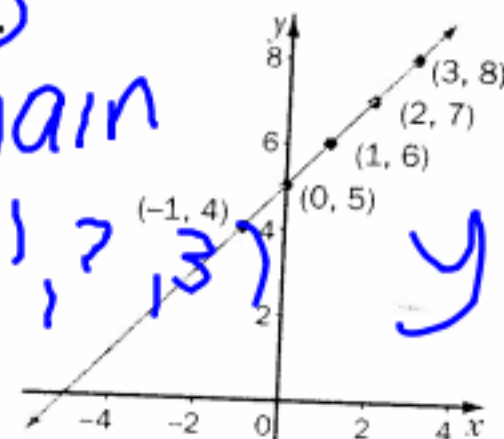
21.



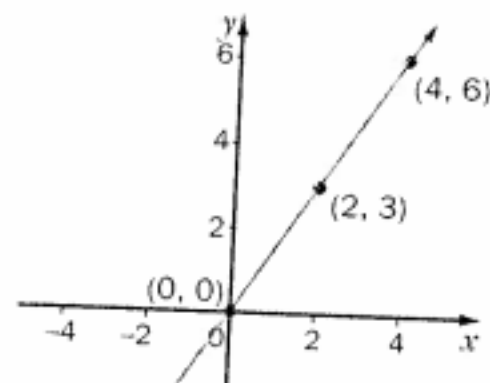
22.



23.



24.



domain
-1, 0, 1, 2, 3

$$y = x - 3$$

domain
(-1, 0, 1, 2, 3)

$$y = x + 5$$

Current Question Sets

8 x Graphing Lines

Questions: 8

Length: 1.70 pages

Desired length

Index Order

- Absolute value
- Equations, graphing
- Equations, solving
- Inequalities
- Combining like terms
- Completing the square
- By finding the constant
- Solving equations by
- Custom question

Assignment

Sketch the graph of each line.

1) $x + 5 = 0$

$x = -5$

$(-5, 1)$
 $(-5, 0)$
 $(-5, -1)$

Unique line $x = a$ (no y)
is a vertical line

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

Make a table of values + graph

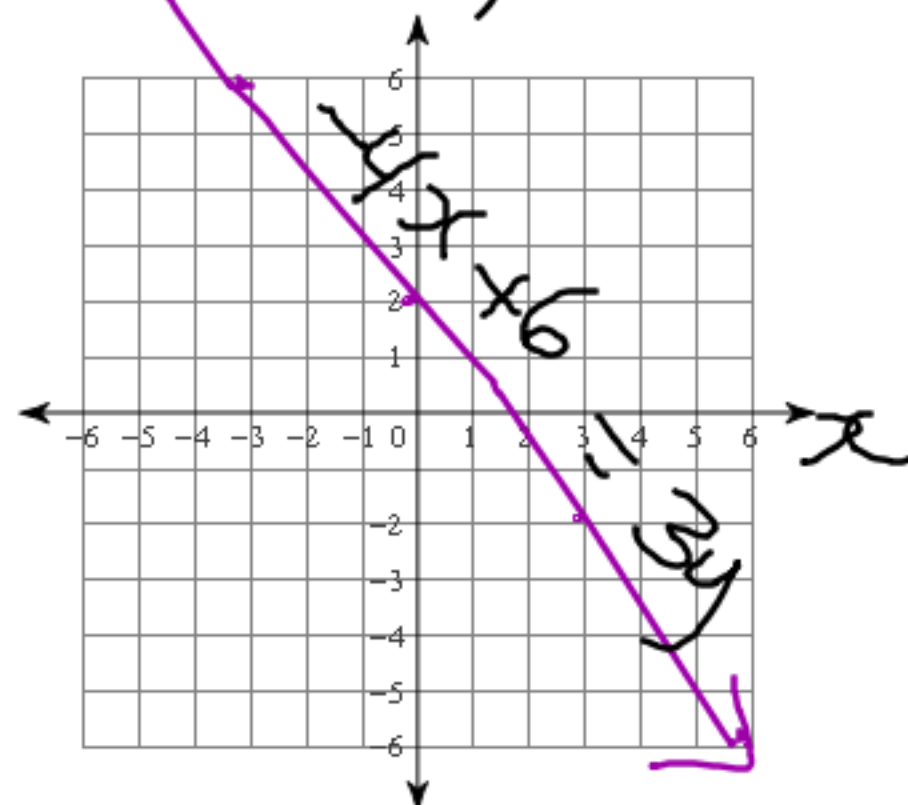
x	y
-6	
-5	
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	
5	
6	

3) $-2y - 3x = 10$

4) $6x = 8y + 8$

Sketch the graph of each line.

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



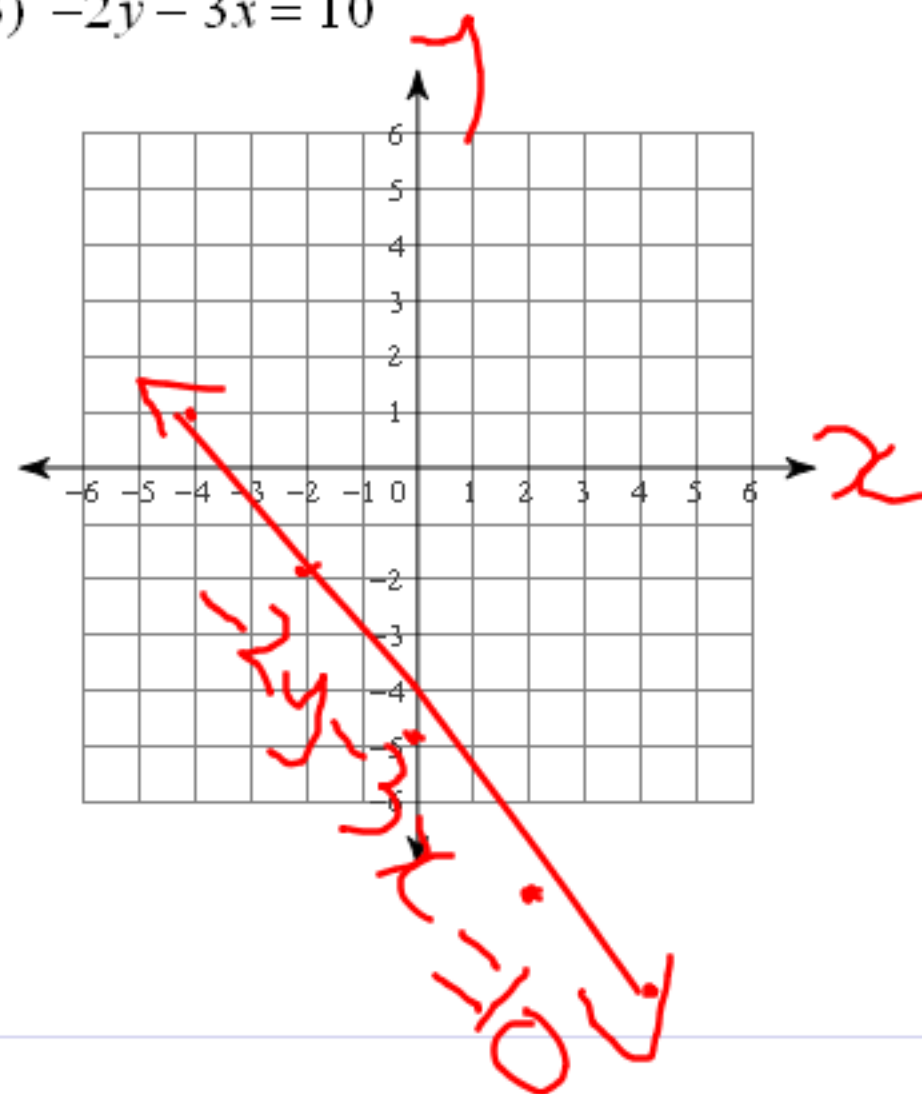
$$-\frac{4x}{3} + \frac{6}{3} = \frac{3y}{3}$$

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

x	y
-6	10
-3	6
0	2
3	-2
6	-6

Sketch the graph of each line.

3) $-2y - 3x = 10$



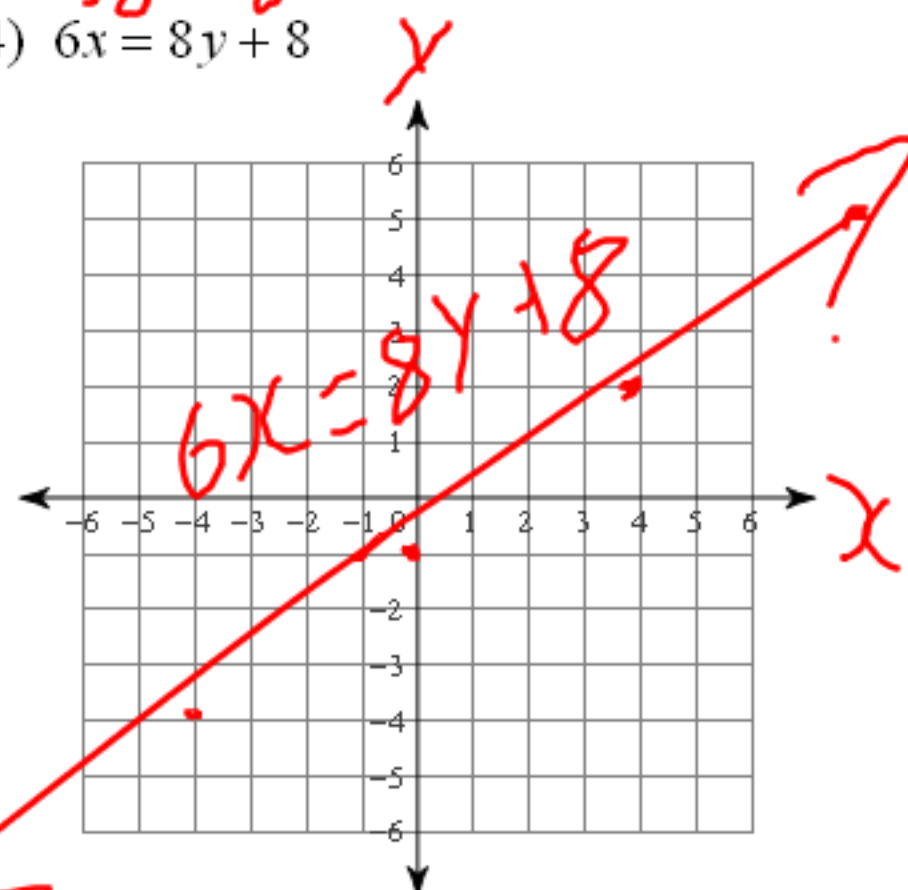
$$\frac{-2y}{-2} = \frac{-3x + 10}{-2}$$

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

x	y
-4	1
-2	-2
0	-5
2	-8
4	-11

Sketch the graph of each line.

4) $6x = 8y + 8$



$$\frac{6x}{8} - \frac{8}{8} = \frac{8y}{8}$$

$$\frac{3x}{4} - 1 = y$$

x	y
-4	-4
0	-1
4	2

☒ Question numbers

☒ Lines

☐ Show answers

☒ Directions

☒ Changing questions hides answers

Zoom:



Jump



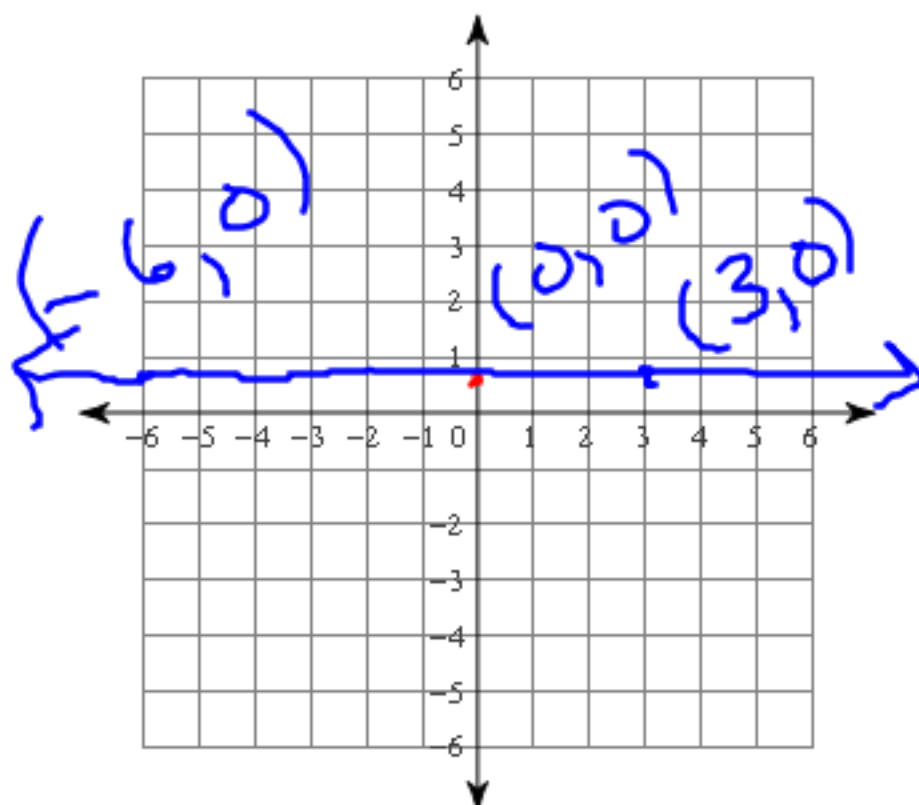
1-up



Close

Sketch the graph of each line.

5) $y = 0$



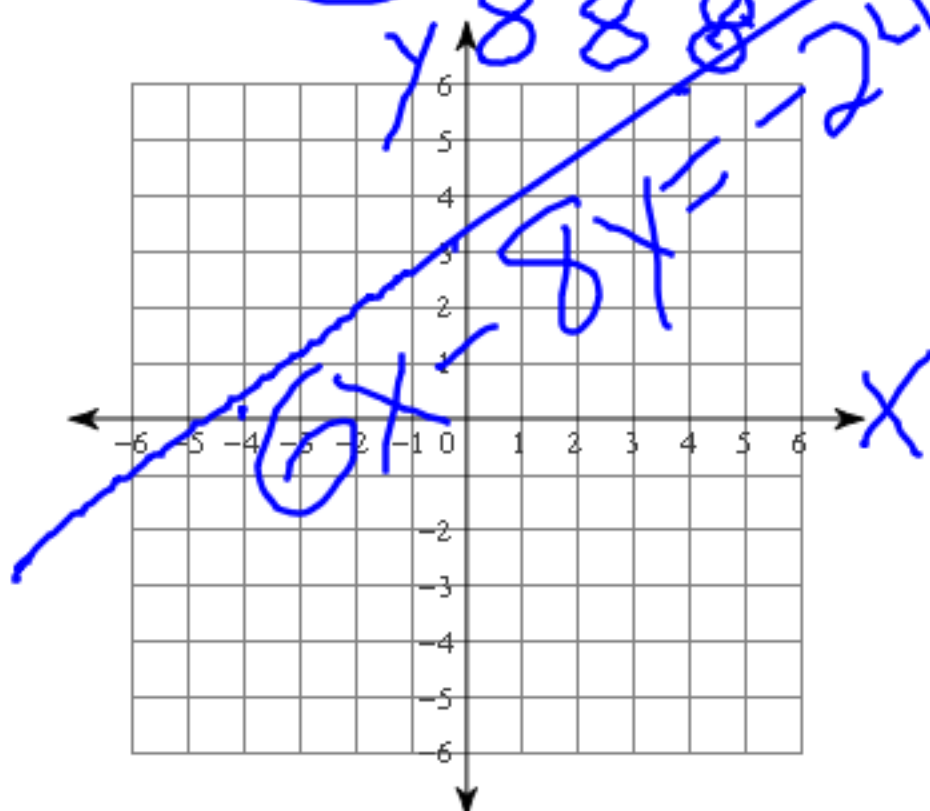


Sketch the graph of each line.

6) $6x - 8y = -24$

$$\frac{6x + 24}{8} = \frac{-8y}{8}$$

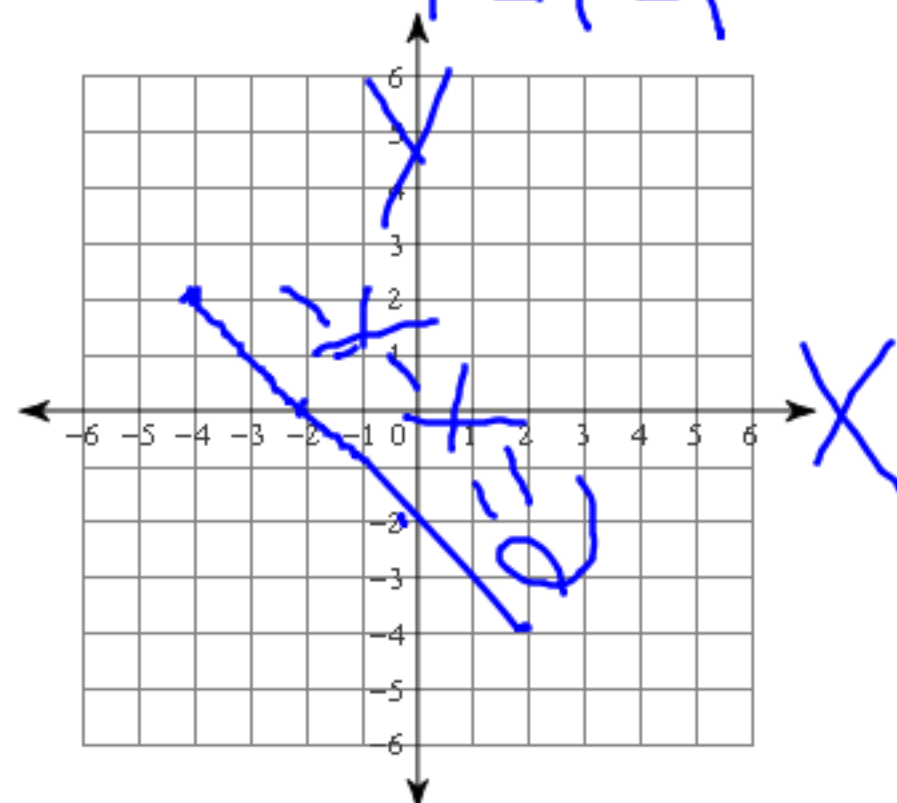
$$\frac{3x}{4} + 3 = -y$$



x	y
-8	-3
-4	0
0	3
4	6
8	9

Sketch the graph of each line.

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

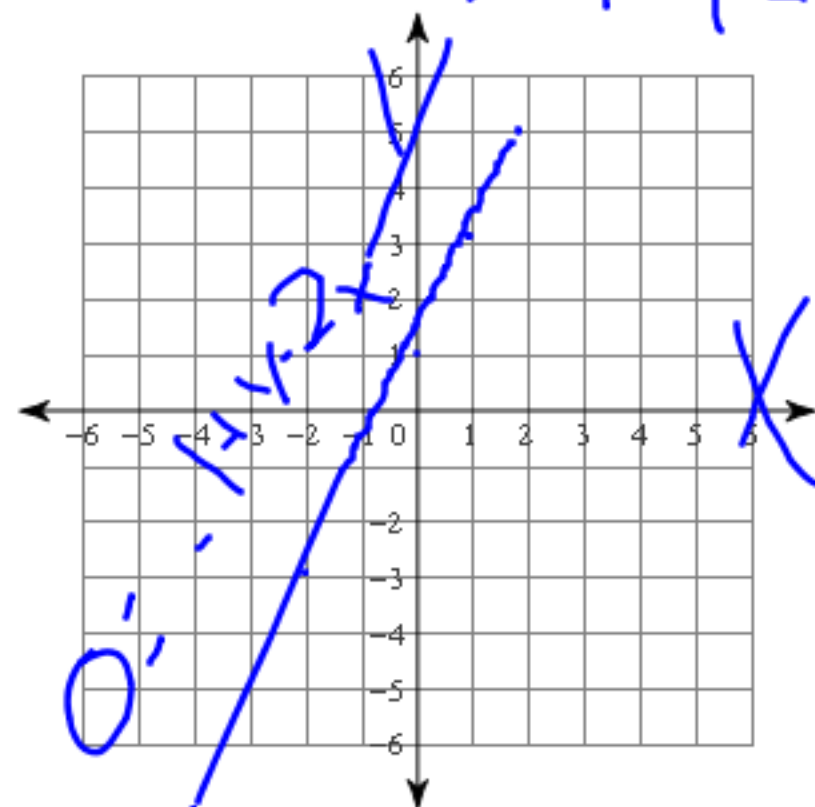


$y = -x - 2$

X	Y
-4	2
-2	0
0	-2
1	-3
2	-4

Sketch the graph of each line.

8) $0 = -1 + y - 2x$ $y = 0 - 1 - 2x$ $y = 0 + 1 + 2x$



X	Y
-4	-7
-2	-3
0	-1
2	1
4	3

Homework

Finish Box 4

#24, 26 (and #22
if you didn't
have it done)

Plus the hand-out
all questions