BINGO

Intro to Algebra 2 Midyear review

Solve for x in the following equation:

$$\frac{3x}{5} = \frac{7}{2}$$

A box contains:

4 red socks

3 yellow socks

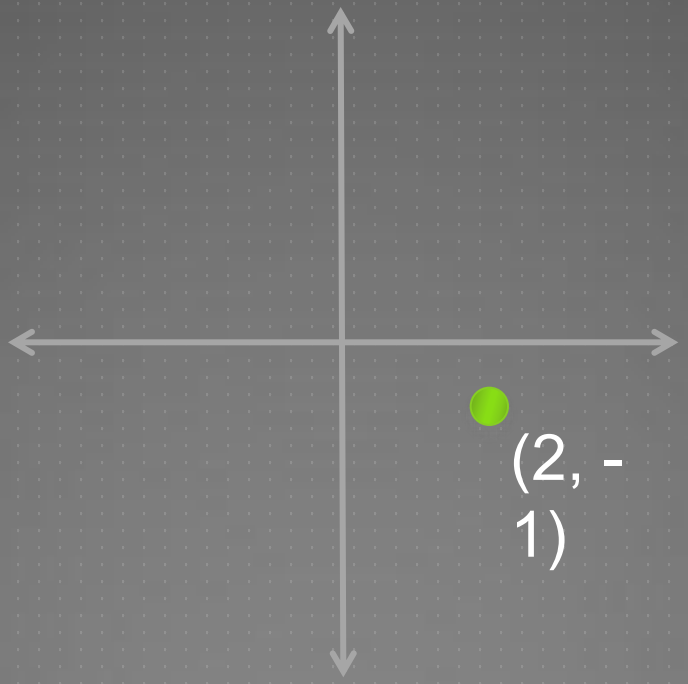
5 purple socks

If you pick out a sock randomly, what is the probability of getting a yellow sock?

Evaluate the following expression:

$$3|-5+1|$$

What is the y value of the following point?



Solve for y in terms of x in the following equation:

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

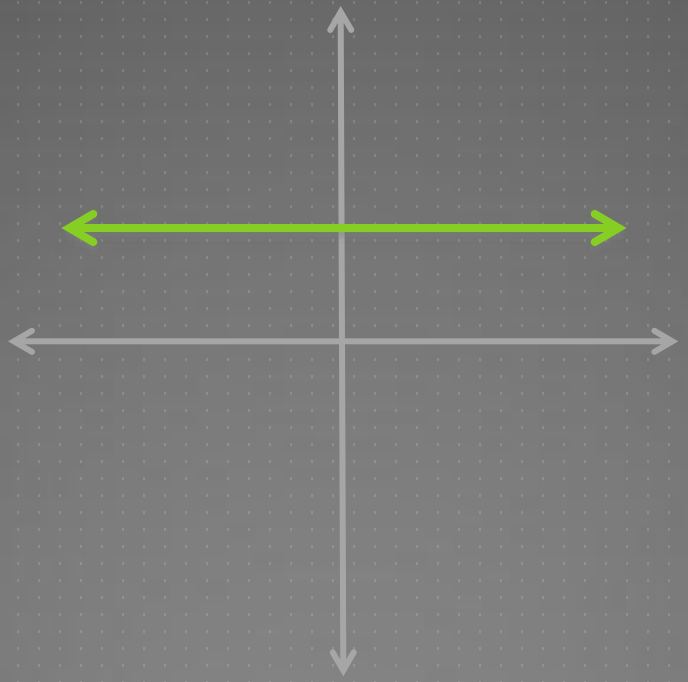
Evaluate this equation…

$$-2(x - 1) \text{ when } x = 4$$

How many 6-letter words can you make with GUITAR if you can't use letters more than once?

Which equation describes the following graph:

What is the slope of this line?



What value should go in the last place in this table?

$$y = -2x - 3$$

x	y
1	-3
0	-5
-3	??

Which equation describes the following graph:

Solve for y in terms of x:

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

How many 6-letter words can you make with GUITAR if you *can* repeat letters?

Solve for x in the following equation, and one of the answers will be on your bingo board:

$$|x+3| \leq 6$$

Calculate the slope of the line through these two points:

$(3, 6)$

$(-1, 15)$

Find the value of c such that the slope between (0, 7) and (c, -3) is 0.5.

$$(0,7)$$

$$(c,-3)$$

$$m=0.5$$

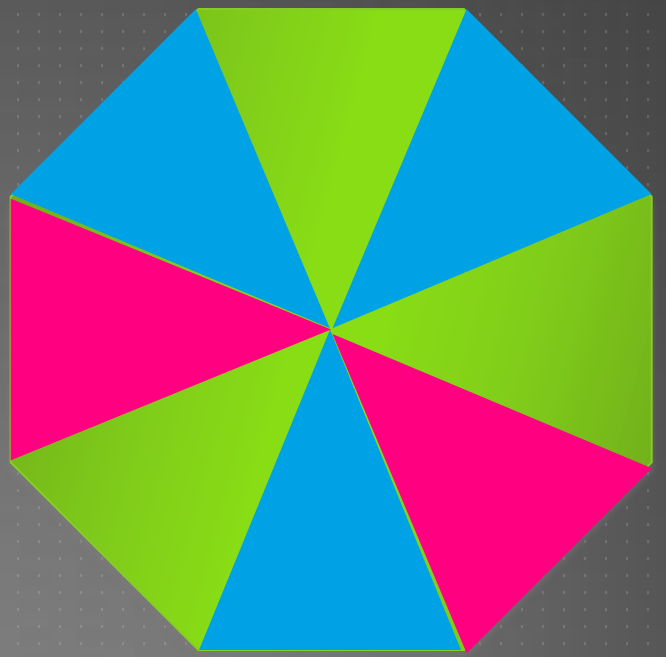
Solve for *x* in the following equation:

$$2(x+3)+7=x-1$$

Solve for x in the following equation:

$$5 - x < -3$$

If you spin this spinner, what is the probability of landing on pink *or* green?



Solve for x in the following equation, and one of the answers will be on your bingo board:

$$|x-2|=1$$

Which equation describes the following graph:

Calculate the slope of the line through these two points:

$(2, 5)$

$(2, 10)$

What would be a smart value to plug in for x in the following table?

$$y = \frac{x}{11} + 3$$

x	y
0	3
??	

Which equation describes the following graph:

ANSWERS

1. 35/6
2. 1/4
3. 12
4. -1
5. 3x/2 – 9
6. -6
7. 720
8. x > 2
9. 0
10. 3
11. $|x| \leq 3$
12. 3x/2 + 3/2
13. 46,656
14. $x \geq -9$
15. -9/4
16. -20
17. -14
18. x > 8
19. 5/8
20. 1
21. $x \geq 2$
22. undefined
23. 11
24. $|x| \geq 3$

11.131 Educational Theory and Practice III

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