Linear Functions Review

JEOPARDY

Functions	Slope	Absolute Value	Graphing	Writing Equations
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300
400	400	400	400	400
500	500	500	500	500

100

The domain of:

(-3, 5) , (2, 0) , (0, 7), (1, 1)

What is -3, 2, 0, 1?

200

The range of

(-2, 5) , (0, 4) , (1, 7) , (2, 8)

What is 5, 4, 7, 8?

300

Is the relation:

(2, 4) , (1, 5) , (0, 6) , (-1, 7)

a function?

YES

400

Is the relation:

(2, 5) , (1, 0) , (5, -2) , (2, 0)

a function?

NO

500

Is the relation:
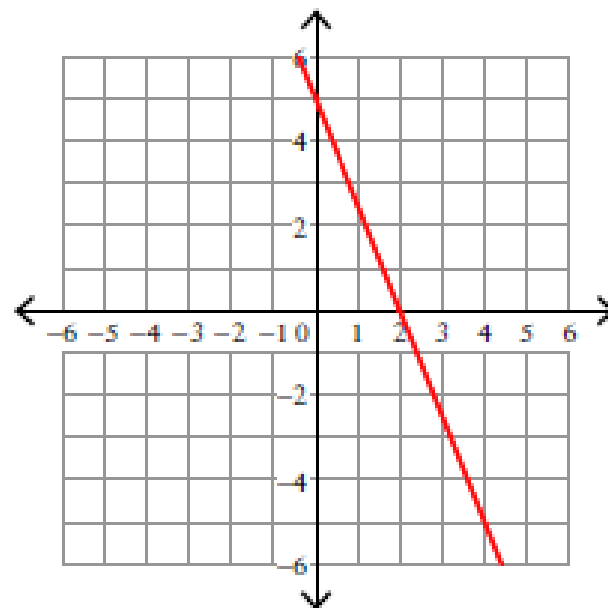
(-2, 5) , (3, 5) , (0, 2) , (1, 2)

a function?

YES

100

The slope of the graph:

What is -5/2?

200

The slope of a horizontal line.

What is 0?

300

The slope of a vertical line.

What is undefined?

400

The slope of the line containing the points: (5, 8) and (3, 6)

What is 1?

500

The slope of the line containing the points (-3, 7) and (3, -5)

What is -2?

100

The equation, $y = 2|x + 3|$, is an …

What is an Absolute Value Function?

An absolute value function has a _____ shaped graph.

What is "V".

300

The corner point of an absolute value function graph is called the _____ .

What is Vertex?

400

The graph of the function: $y = -|x| + 3$

opens …

What is "down".

The vertex of the graph the of function: $y = |x + 2| + 3$.

What is $(-2, 3)$?

100

The y-intercept of:

y = 2x - 6

What is b = -6?

200

The slope of:

y = 3x + 1

What is m = 3?

300

The slope-intercept form of:

2x + 3y = 9

What is y = -2/3x + 3?

? ? ?

The x and y intercept of:

2x + 5y = 15
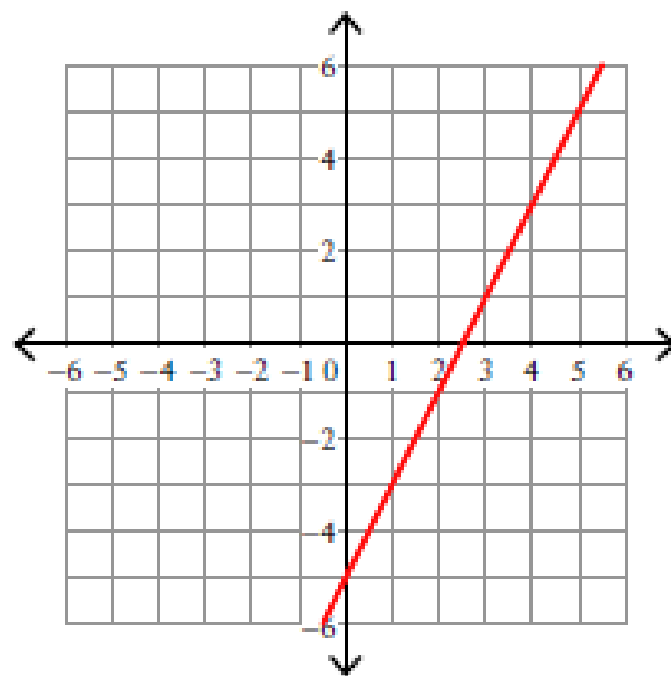
What is (0, 3) and (7.5, 0)?

The slope of the line:

3x + 4y = 16

What is m = -3/4

200

The equation of the line with slope = ½ and y-intercept = 3

What is y = ½ x + 3?

300

The equation of the line with slope = 3 and point (-2, 5)

What is y = 3x + 11?

400

The equation of the line with points (2, 1) and (3, 5)?

What is y = 4x -7?

The equation of the line with
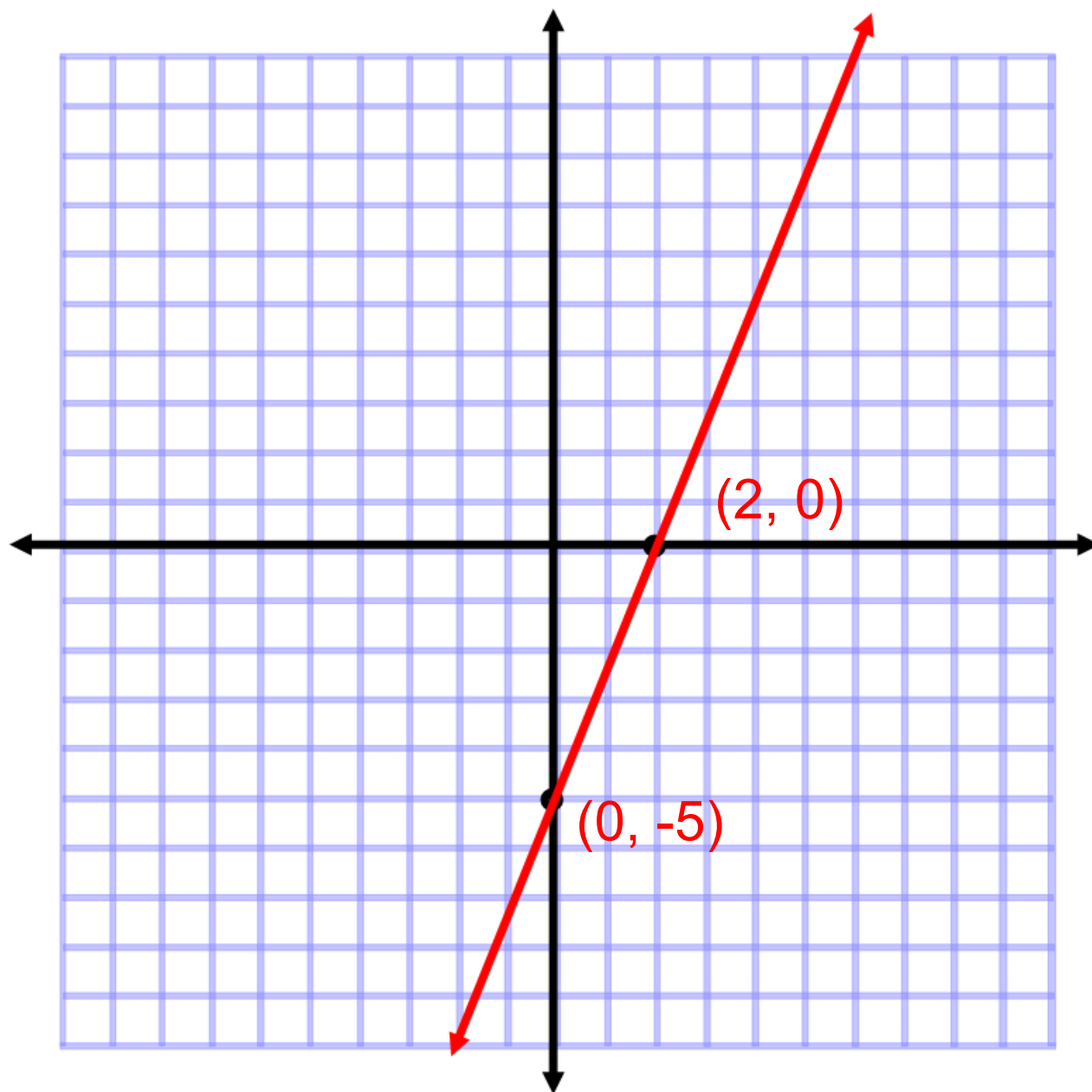
x-intercept = -2 and

y-intercept = -3.

What y = -3/2x - 3?

FINAL JEOPARDY

Graphing

Draw the graph of the function:

5x – 2y = 10

(2, 0)

(0, -5)

Thank You For Playing JEOPARDY!