

Name _____ Period _____ Date _____

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Pre-Algebra: Functions #4

1. Which letter **cannot** repeat if the relation is a function? **x or y** (Circle one)

2. When is a relation not a function?

3. What is the domain of the relation below?

<i>x</i>	5	6	7	8
<i>y</i>	-2	4	1	-2

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

4. Which equation matches the coordinates in the function below? **(-1, -1), (0, 1), (1, 3), (2, 5)**

- A. $y = x - 1$ B. $y = 2x + 1$ C. $y = 2x + 2$ D. $y = 3x - 1$
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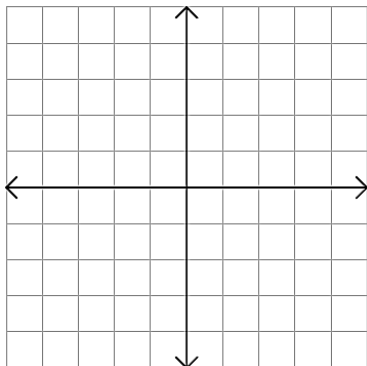
5. Write the function for the table below

x	1	3	5	7
y	-1	3	7	11

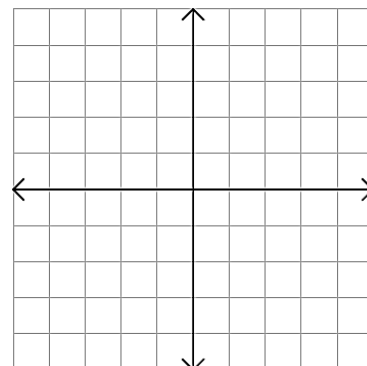
Function: _____

6. Graph the function:

$$y = 2x - 5$$



$$y = -\frac{1}{2}x + 4$$



7. What is the slope of the line that passes through the points (5, 2) and (5, 1)?

- A. $-\frac{4}{3}$ B. 0 C. $\frac{3}{4}$ D. undefined
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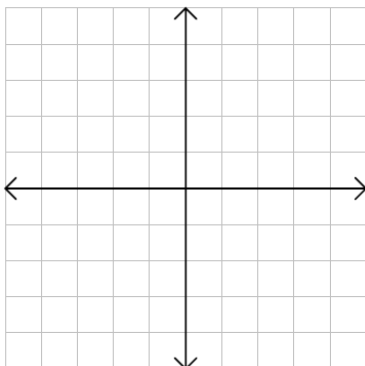
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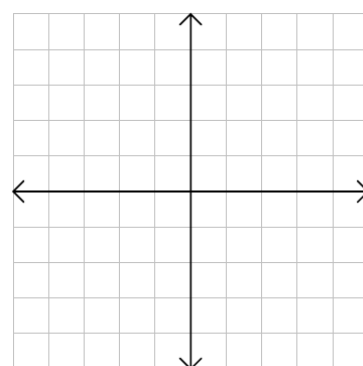
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