



Pre-Algebra: Functions #3

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

2. Identify the Domain, Range:

$(5, -2), (-5, 2), (0, -4), (1, -9)$

Domain:

Range:

Which values are independent? **domain** or **range** (Circle the correct answer)

3. What is the range 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. $\{-2, 1, 4\}$
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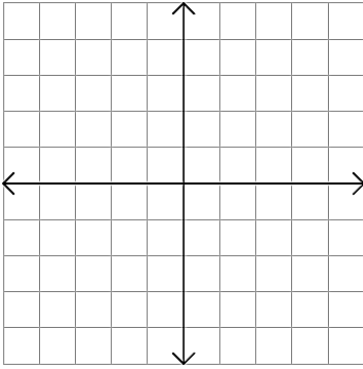
4. Write the function for the table below:

Function: _____

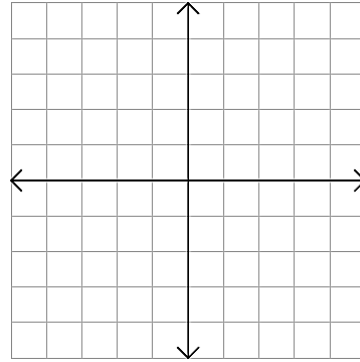
| | | | | |
|---|----|---|---|----|
| x | -2 | 0 | 2 | 4 |
| y | -1 | 3 | 7 | 11 |

5. Graph the function:

$$y = -2x + 3$$



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



6. Which equation matches the coordinates in the function below? $\{(0, -1), (1, 2), (2, 5), (3, 8)\}$

- A. $y = x - 1$ B. $y = 2x + 1$ C. $y = 2x + 2$ D. $y = 3x - 1$

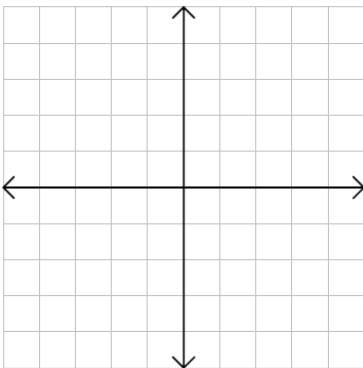
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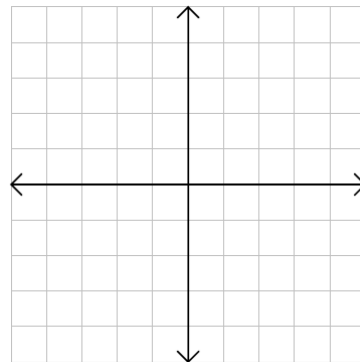
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