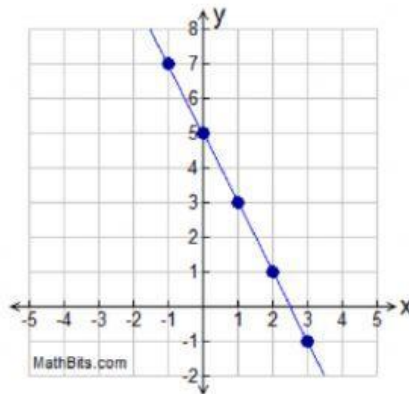Name:

Class:

GRAPH LINEAR

1. Which equation could represent the graph at the right? (Points with integer coordinates are shown.)

- ○ $-2x + y = 5$
- ○ $2x + y = 5$
- ○ $y = 2x + 5$
- ○ $y - 3 = 2(x - 1)$

2. What is the y-intercept of the graph $0.25x + 0.05y = 1.00$?

- ○ $(0,1)$
- ○ $(0,10)$
- ○ $(0,2)$
- ○ $(0,20)$

3. Which statement describes the graph of $y = 7$?

- ○ A horizontal line with no "run" and infinite "rise".
- ○ A horizontal line with no "rise" and infinite "run".
- ○ A vertical line with no "run" and infinite "rise".3

o A vertical line with no "rise" and infinite "run".

4. If one point on the graph of a line is (-1,8) and the slope is -2, find the coordinates of the *y*-intercept of the line.

   o (0,6)

   o (0,8)

   o (0, -1)

   o (0,10)

5. Consider the equation 2*x* + 4*y* = 8. Which of the following points does **not** lie on this straight line?

   o (1, 1.5)

   o (-0.75, 2.5)

   o (0.5, 1.75)

   o (2, 1)