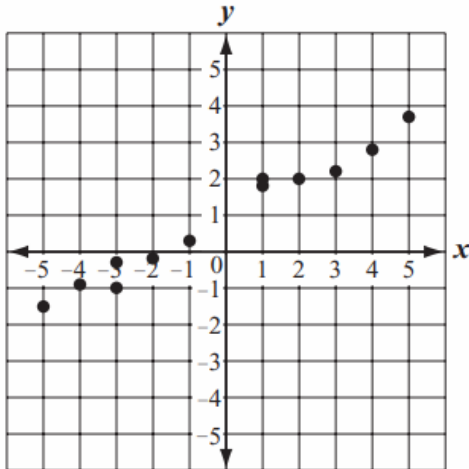


Name.....Period.....

1.

A set of data is shown in the scatterplot below.



Which of the following equations best represents the line of best fit for the data in the scatterplot?

A. $y = -\frac{1}{2}x - 2$

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

C. $y = \frac{1}{2}x - 2$

D. $y = \frac{1}{2}x + 1$

2.

The equation below has two solutions.

$$|n + 4| = 1$$

One solution of the equation is -3 . What is the other solution of the equation?

3.

For all non-zero values of x , which of the following expressions has a value of 1?

A. $\frac{4}{x} \cdot \left(\frac{-4}{x}\right)$

B. $\frac{4}{x} \cdot \left(\frac{1}{4x}\right)$

C. $\frac{4}{x} \cdot \left(\frac{-x}{4}\right)$

D. $\frac{4}{x} \cdot \left(\frac{x}{4}\right)$

4.

Which ordered pair is the solution of the system of equations below?

$$\begin{aligned}x + 2y &= 6 \\3x + 8y &= 4\end{aligned}$$

A. (2, 2)

B. (4, 10)

C. (10, -2)

D. (20, -7)

5.

Which statement is true about the equation below?

$$3(2 - k) = -3k + 2$$

A. The equation has no solution.

B. The equation has one solution.

C. The equation has two solutions.

D. The equation has infinitely many solutions.