

6.6 A, B, C Review

①

Look at the table below.

x	1	2	3	4	5
y	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$\frac{5}{4}$

Which equation could be used to show the relationship between x and y ?

- Ⓐ $x = y + \frac{1}{4}$ Ⓒ $x = \frac{1}{4}y$
 Ⓑ $y = \frac{1}{4}x$ Ⓓ $y = x - \frac{1}{4}$

②

Which of the following statements best describes the data shown in the table?

x	1	2	3	4
y	6	7	8	9

- Ⓔ The dependent quantity is 5 more than the independent quantity.
 Ⓕ The independent quantity is 5 more than the dependent quantity.
 Ⓖ The dependent quantity is 5 times as much as the independent quantity.
 Ⓗ The independent quantity is 5 times as much as the dependent quantity.

③

Which of the following statements does NOT describe the data shown in the table?

x	80	64	40	16
y	10	8	5	2

- Ⓐ The value of x is 8 more than the value of y .
 Ⓑ The value of y is $\frac{1}{8}$ the value of x .
 Ⓒ The value of y is the value of x divided by 8.
 Ⓓ The value of x is 8 times the value of y .

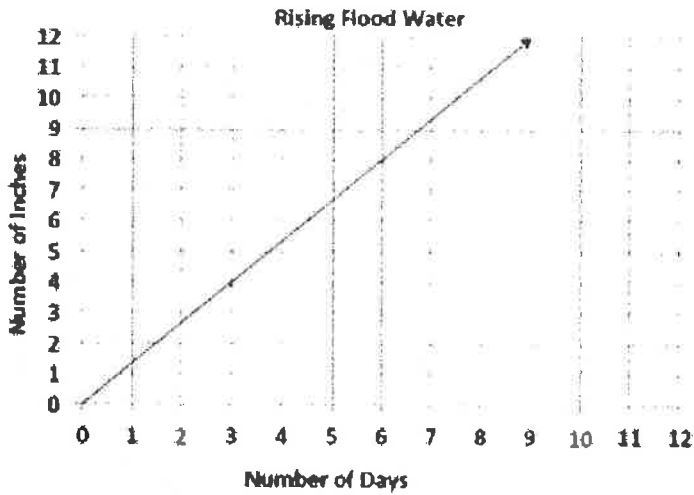
④

Emily walks on her treadmill every week.

The relationship between the total number of miles she walked this week, m , to the total number of miles she walked last week, w , can be represented by the equation $m = 3w$. Which description best represents this situation?

- A. Emily walked 3 more miles last week than she did this week.
 B. Emily walked 3 more miles this week than she did last week.
 C. Emily walked 3 times as many miles this week as she did last week.
 D. Emily walked 3 times as many miles last week as she did this week.

5



The Mississippi river is flooding and the inches of flood waters have been recorded in the table. Which equation matches the relationship between x and y ?

- A. $y = x + .5$
- B. $y = 1 \frac{1}{3}x$
- C. $x = y + .5$
- D. $x = 1 \frac{1}{3}y$

6 Samantha types an average of 50 words per minute. Which of the following graphs shows the relationship between the total number of words Samantha types and the time she spends typing?

