

56 Which equation best fits the data in the table?

56 \_\_\_\_\_

$x$	-2	-1	0	1	2	3
$y$	-33	-24	-15	-6	3	12

- A  $y = -9x - 15$
- B  $y = -9x + 15$
- C  $y = -3x - 15$
- D  $y = 9x - 15$
- E  $y = 9x + 15$

57 The Torrez family plans to rent a mountain bike, bicycles, and a jogger stroller for a week on vacation in Hilton Head Island. If they budget \$250 for equipment rentals, and they know a jogger stroller and mountain bike together will cost \$90, which statement can they use to determine how much they can spend on 3 regular bikes  $b$ ?

57 \_\_\_\_\_

- A  $3b - 90 \geq 250$
- B  $3b + 90 > 250$
- C  $3b + 90 \leq 250$
- D  $3b - 90 < 250$
- E  $3(b + 90) = 250$

58 Which statement best predicts the changes to the graph of  $y = 3x^2$  when the coefficient of  $x^2$  is changed to  $-1$ ?

58 \_\_\_\_\_

- A The graph becomes narrower and shifts down 1 unit.
- B The graph becomes narrower and opens downward rather than up.
- C The graph becomes narrower and shifts 1 unit to the left.
- D The graph becomes wider and opens downward rather than up.
- E The graph becomes wider, shifts down 1 unit, and opens up rather than downward.

59 Which best describes the rule for finding the next number in the pattern 56, 28, 14, 7, 3.5, ...?

59 \_\_\_\_\_

- A Divide the previous number by  $\frac{1}{2}$ .
- B Multiply the previous number by  $\frac{1}{2}$ .
- C Write the next odd decimal.
- D Subtract twice the previous number.
- E Add twice the previous number.

56 Which equation best fits the data in the table? **I.B.5.**

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58 Which statement best predicts the changes to the graph of  $y = 3x^2$  when the coefficient of  $x^2$  is changed to  $-1$ ? **III.A.2.**

- A The graph becomes narrower and shifts down 1 unit.
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59 Which best describes the rule for finding the next number in the pattern 56, 28, 14, 7, 3.5, ...? **I.C.3.**

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- C Write the next odd decimal.
- D Subtract twice the previous number.
- E Add twice the previous number.

56 **D**

57 **C**

58 **D**

59 **B**