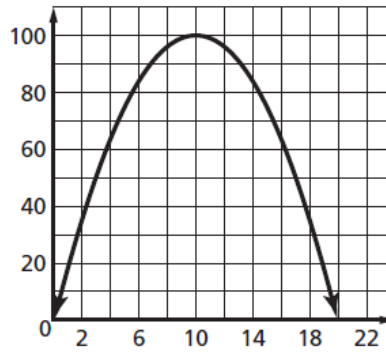


10 Mr. Meeker has 40 feet of fencing to enclose a rectangular area for an herb garden. The graph at the right shows the maximum area he can enclose with this length of fencing. What can you conclude from the graph?



10 _____

- A The maximum area is 20 ft^2 .
- B The maximum area is 100 ft^2 .
- C The length is 20 ft, so the width is 5.
- D The width is 10 ft and the length is 20 ft.
- E The maximum area must be 200 ft^2 .

11 Which is the result if you simplify $-4(-6x - 2y + 4) - 12x + 5$?

11 _____

- A $-36x - 8y - 16$
- B $-24x + 8y - 1$
- C $12x + 8y + 9$
- D $12x + 8y - 11$
- E $72x + 8y - 36$

12 The value of $f(x) = 3x - 2$ for $f(-2)$ is

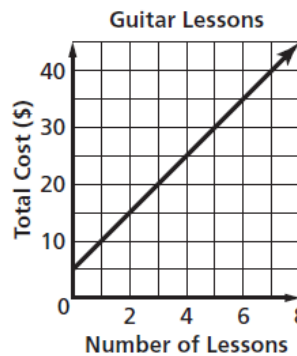
12 _____

- A -8 .
- B -6 .
- C $\frac{1}{3}$.
- D 6 .
- E 8 .

13 What relationship, if any, is shown in the graph?

13 _____

- A The first guitar lesson is \$5.
- B The total cost c for ℓ lessons is represented by $c = 5\ell$.
- C The total cost c for ℓ lessons is represented by $c = 5 + 5\ell$.
- D The more lessons you buy, the less it costs per lesson.
- E There appears to be no relationship between number of lessons and total cost.

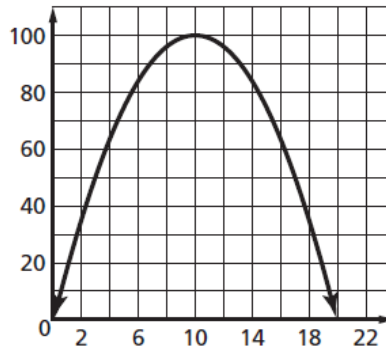


14 Which is an equation of the line passing through $(-3, 2)$ and $(1, -6)$?

14 _____

- A $y = -2x - 4$
- B $y = -2x + 4$
- C $y = 2x - 4$
- D $y = 2x + 4$
- E $y = -4x - 2$

10 Mr. Meeker has 40 feet of fencing to enclose a rectangular area for an herb garden. The graph at the right shows the maximum area he can enclose with this length of fencing. What can you conclude from the graph? **III.A.4.**



- A The maximum area is 20 ft^2 .
- B The maximum area is 100 ft^2 .
- C The length is 20 ft, so the width is 5.
- D The width is 10 ft and the length is 20 ft.
- E The maximum area must be 200 ft^2 .

10 **B**

11 Which is the result if you simplify $-4(-6x - 2y + 4) - 12x + 5$?

- A $-36x - 8y - 16$
- B $-24x + 8y - 1$ **I.D.6.**
- C $12x + 8y + 9$
- D $12x + 8y - 11$
- E $72x + 8y - 36$

11 **D**

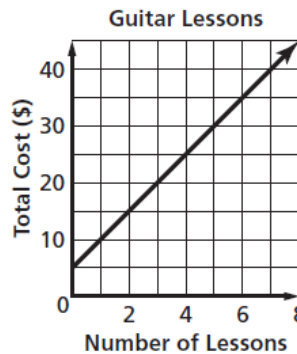
12 The value of $f(x) = 3x - 2$ for $f(-2)$ is **I.D.1.**

- A -8 .
- B -6 .
- C $\frac{1}{3}$.
- D 6 .
- E 8 .

12 **A**

13 What relationship, if any, is shown in the graph?

- A The first guitar lesson is \$5. **I.A.2.**
- B The total cost c for ℓ lessons is represented by $c = 5\ell$.
- C The total cost c for ℓ lessons is represented by $c = 5 + 5\ell$.
- D The more lessons you buy, the less it costs per lesson.
- E There appears to be no relationship between number of lessons and total cost.



13 **C**

14 Which is an equation of the line passing through $(-3, 2)$ and $(1, -6)$?

- A $y = -2x - 4$
- B $y = -2x + 4$ **II.B.4.**
- C $y = 2x - 4$
- D $y = 2x + 4$
- E $y = -4x - 2$

14 **A**