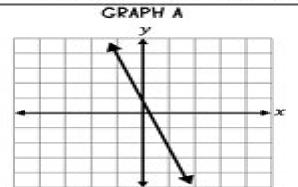
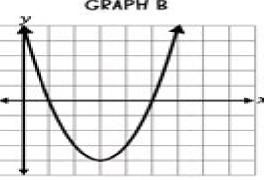
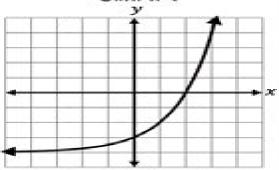
For questions #9-16, use the graphs below.



GRAPH B



GRAPH C



9. Which graph has a constant rate of change?

- a. Graph A
- b. Graph B
- c. Graph C
- d. none of them

10. Which function best represents Graph B?

a.
$$f(x) = x^2 + 5x - 4$$

b.
$$f(x) = (x+3)^2 + 4$$

c.
$$f(x) = x^2 + 3x - 4$$

d.
$$f(x) = (x-3)^2 - 4$$

II. What is the domain of Graph C?

$$a.x < -4$$

b. all real numbers

c.
$$y \ge -4$$

d. x > -4

12. Which equation best matches Graph A?

a.
$$y = -3x + 1$$

b.
$$y = -\frac{1}{3}x + 1$$

c.
$$y = 3x^2 - 1$$

d.
$$y = x + 3$$

13. Which type of function best represents Graph C?

- a. linear
- b. quadratic
- c. exponential
- d. cubic.

14. Which graph has the lowest minimum value?

- a. Graph A
- b. Graph B
- c. Graph C
- d. they all have the same minimum value

15. What is the range of Graph B?

a. all real numbers

- b. y > -4
- c.x < 4

d. $y \ge -4$

16. Which equation best matches Graph C?

a.
$$y = \frac{1}{2}x - 4$$

b. $y = x^2 - 3$

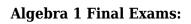
b.
$$y = \hat{x}^2 -$$

c.
$$y = x - 3$$

d.
$$y = 2^x - 4$$

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