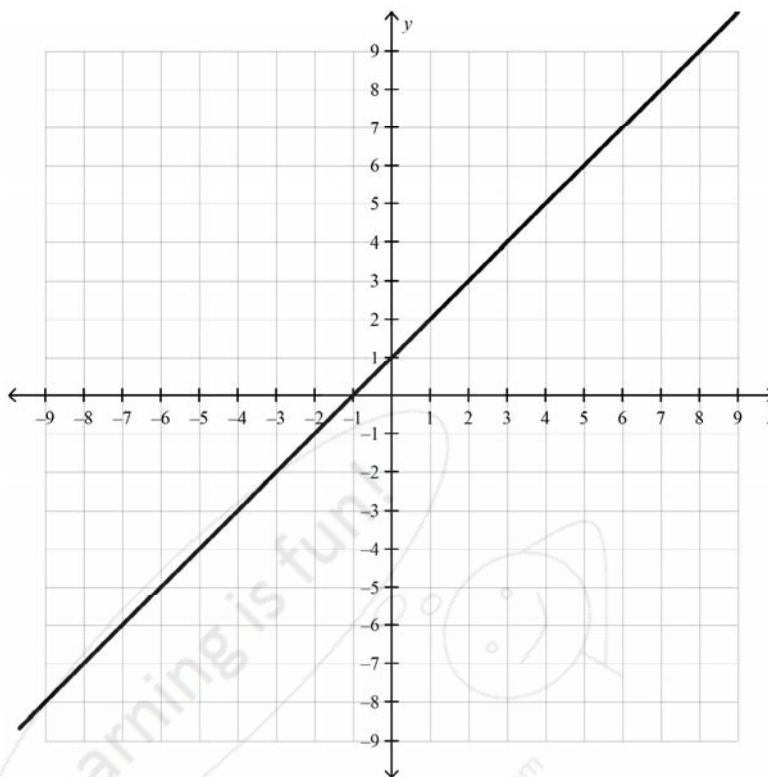


Parametric Equations

____ 1. Which of the following parametric equations match the graph?



- a. $x = -3t + 3$ and $y = -3t + 4$ c. $x = -3t + 4$ and $y = -3t + 5$
b. $x = -4t + 4$ and $y = -4t + 5$ d. $x = -4t + 3$ and $y = -4t + 4$

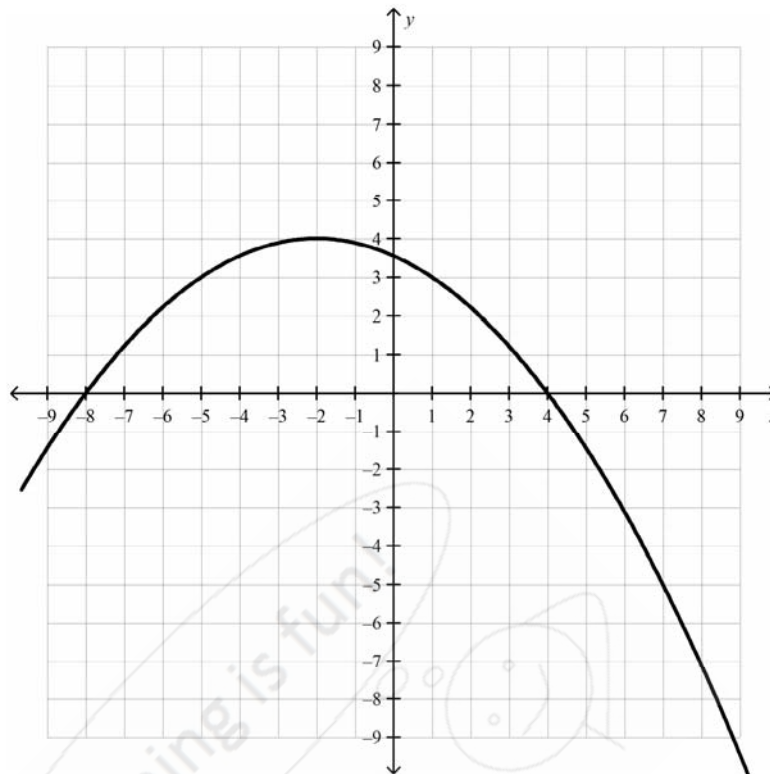
2. For the following parametric equations, what is the value of t that will plot the location $(10, -185)$?

$$x = 2t - 6 \text{ and } y = -3t^2 + 7$$

____ 3. When $t = 3$, which of the following will plot the location $(25, 40)$?

- a. $x = 7t + 4$ and $y = 4t^2 + 4$ c. $x = 6t + 5$ and $y = 5t^2 + 5$
b. $x = 7t + 5$ and $y = 4t^2 + 5$ d. $x = 6t + 4$ and $y = 5t^2 + 4$

____ 4. Which of the following parametric equations match the graph?



a. $x = 2t - 2$ and $y = t^2 + 4$

c. $x = 3t - 2$ and $y = -t^2 + 4$

b. $x = 2t - 3$ and $y = t^2 + 3$

d. $x = 3t - 3$ and $y = -t^2 + 3$

____ 5. For the following parametric equations, which plot location is incorrect?

$x = 3t - 6$ and $y = 4t^2 + 4$

a. $t = -5$ for $(-21, 104)$

c. $t = -1$ for $(-9, 8)$

b. $t = -4$ for $(-19, 68)$

d. $t = -2$ for $(-12, 20)$

**Parametric Equations
Answer Section**

1. ANS: A
2. ANS: 8
3. ANS: A
4. ANS: C
5. ANS: B

