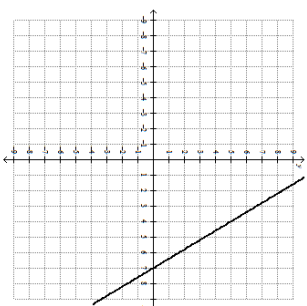# For parametric graphing,

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For the following parametric equations, what is the value of t that will plot the location (12, 55)?

$x = 4t - 8$ and $y = 2t^2 + 5$

Which of the following parametric equations match the graph?

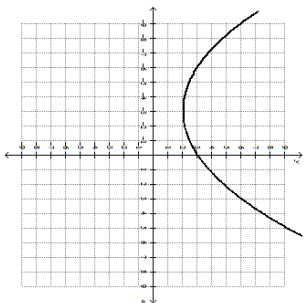a. $x = 4t + 5$ and $y = -4t + 4$ c. $x = 3t + 4$ and $y = -5t + 5$

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

When $t = 3$, which of the following will plot the location (15, 19)?

a. $x = 5t + 2$ and $y = 2t^2 - 7$ c. $x = 5t + 3$ and $y = 2t^2 - 8$

b. $x = 4t + 3$ and $y = 3t^2 - 8$ d. $x = 4t + 2$ and $y = 3t^2 - 7$

Which of the following parametric equations match the graph?

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

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

For the following parametric equations, which plot location is incorrect?
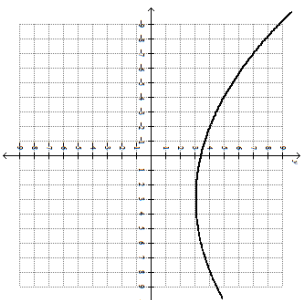
$x = 4t - 4$ and $y = -3t^2 + 5$

a. $t = -1$ for $(-8, 2)$
b. $t = -3$ for $(-16, -22)$

c. $t = -2$ for $(-12, -7)$
d. $t = 3$ for $(8, -23)$

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

$x = -3t + 4$ and $y = 3t^2 - 7$

a. $t = -1$ for $(7, -4)$
b. $t = 2$ for $(-2, 5)$

c. $t = 1$ for $(1, -4)$
d. $t = -3$ for $(13, 21)$

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Which of the following parametric equations match the graph?

a. $x = -5t + 2$ and $y = t^2 + 2$
b. $x = -4t + 3$ and $y = -t^2 + 3$

c. $x = -5t + 3$ and $y = t^2 + 3$
d. $x = -4t + 2$ and $y = -t^2 + 2$