Parametric Equations · 1

$x = -2t - 2$, $y = 2t - 4$. Find the point on the curve when $t = 4$.

Parametric Equations · 2

$x = t + 3$, $y = -3t - 1$. For which value of t is the curve at the point $(9, -19)$?

Parametric Equations · 3

Eliminate the parameter: $x = t + 2$, $y = -t - 2$. Write the answer in the form $y = mx + b$.

Parametric Equations · 4

$x = -t + 1$, $y = t + 3$. Find the point on the curve when $t = 3$.

Parametric Equations · 5

$x = 2t + 3$, $y = 2t - 3$. Find the point on the curve when $t = 3$.

Parametric Equations · 6

$x = 2t$, $y = 3t + 4$. For which value of t is the curve at the point $(2, 7)$?

Parametric Equations · 7

Eliminate the parameter: $x = t - 2$, $y = 3t + 3$. Write the answer in the form $y = mx + b$.

Parametric Equations · 8

$x = t - 4$, $y = t - 1$. Find the point on the curve when $t = 0$.

Parametric Equations · 2

ANSWER

t = 6

Parametric Equations · 1

ANSWER

(-10, 4)

Parametric Equations · 4

ANSWER

(-2, 6)

Parametric Equations · 3

ANSWER

y = -x

Parametric Equations · 6

ANSWER

t = 1

Parametric Equations · 5

ANSWER

(9, 3)

Parametric Equations · 8

ANSWER

(-4, -1)

Parametric Equations · 7

ANSWER

y = 3x + 9

Parametric Equations · 9

$x = -t + 2$, $y = 2t$. Find the point on the curve when $t = 5$.

Parametric Equations · 10

$x = -2t + 3$, $y = 4t + 5$. For which value of t is the curve at the point $(-9, 29)$?

Parametric Equations · 11

Eliminate the parameter: $x = t - 4$, $y = t + 6$. Write the answer in the form $y = mx + b$.

Parametric Equations · 12

$x = -t + 4$, $y = 3t - 1$. Find the point on the curve when $t = 1$.

Parametric Equations · 13

$x = -2t + 1$, $y = 4t - 2$. Find the point on the curve when $t = 5$.

Parametric Equations · 14

$x = 3t - 3$, $y = 3t + 2$. For which value of t is the curve at the point $(12, 17)$?

Parametric Equations · 15

Eliminate the parameter: $x = t + 4$, $y = 3t - 1$. Write the answer in the form $y = mx + b$.

Parametric Equations · 16

$x = -3t + 5$, $y = 2t + 1$. Find the point on the curve when $t = 2$.

Parametric Equations · 10

ANSWER

$t = 6$

Parametric Equations · 9

ANSWER

$(-3, 10)$

Parametric Equations · 12

ANSWER

$(3, 2)$

Parametric Equations · 11

ANSWER

$y = x + 10$

Parametric Equations · 14

ANSWER

$t = 5$

Parametric Equations · 13

ANSWER

$(-9, 18)$

Parametric Equations · 16

ANSWER

$(-1, 5)$

Parametric Equations · 15

ANSWER

$y = 3x - 13$

Parametric Equations · 17

Eliminate the parameter: $x = 3t - 2$, $y = -6t - 2$. Write the answer in the form $y = mx + b$.

Parametric Equations · 18

$x = -3t$, $y = 2t + 4$. Find the point on the curve when $t = 0$.

Parametric Equations · 19

A rocket is launched. After t seconds its position in meters is $x = 26t$, $y = 40t - 5t^2$. Find its position (x, y) when $t = 5$.

Parametric Equations · 20

Eliminate the parameter: $x = t + 3$, $y = t^2 + 2$. Write the answer in the form $y = a(x - h)^2 + k$.

Parametric Equations · 21

$x = 4t$, $y = -2t - 1$. For which value of t is the curve at the point $(-12, 5)$?

Parametric Equations · 22

A football is punted. After t seconds its position in meters is $x = 7t$, $y = 20t - 5t^2$. After how many seconds does it hit the ground ($y = 0$)?

Parametric Equations · 23

Eliminate the parameter: $x = -t - 4$, $y = -4t + 1$. Write the answer in the form $y = mx + b$.

Parametric Equations · 24

$x = t - 5$, $y = t^2 - 2t + 4$. Find the point on the curve when $t = 0$.

Parametric Equations · 18

ANSWER

$(0, 4)$

Parametric Equations · 17

ANSWER

$y = -2x - 6$

Parametric Equations · 20

ANSWER

$y = (x - 3)^2 + 2$

Parametric Equations · 19

ANSWER

$(130, 75)$

Parametric Equations · 22

ANSWER

4

Parametric Equations · 21

ANSWER

$t = -3$

Parametric Equations · 24

ANSWER

$(-5, 4)$

Parametric Equations · 23

ANSWER

$y = 4x + 17$