

$x = 2t + \frac{1}{t}$	$x = t^2$
$x = 4t + t^2$	$x = \frac{1}{t} + 4t$
$x = t$	$x = 3t + 1$
$x = 4\sqrt{t}$	$y = \frac{1}{t^2}$
$y = 3t^2$	$y = \ln t$
$y = 2 - t$	$y = t^3$
$y = \frac{1}{t} + 1$	$y = t^2 + 1$

$$\frac{dx}{dt} = 1$$

$$\frac{dx}{dt} = 3$$

$$\frac{dx}{dt} = 2t$$

$$\frac{dx}{dt} = 4 + 2t$$

$$\frac{dx}{dt} = \frac{2}{\sqrt{t}}$$

$$\frac{dx}{dt} = 4 - \frac{1}{t^2}$$

$$\frac{dx}{dt} = 2 - \frac{1}{t^2}$$

$$\frac{dy}{dt} = \frac{1}{t}$$

$$\frac{dy}{dt} = -\frac{1}{t^2}$$

$$\frac{dy}{dt} = 2t$$

$$\frac{dy}{dt} = -\frac{2}{t^3}$$

$$\frac{dy}{dt} = 3t^2$$

$$\frac{dy}{dt} = -1$$

$$\frac{dy}{dt} = 6t$$

At $t = 1$ , $\frac{dy}{dx} = 2$	At $t = 1$ , $\frac{dy}{dx} = -\frac{2}{3}$
At $t = 1$ , $\frac{dy}{dx} = \frac{3}{2}$	At $t = 1$ , $\frac{dy}{dx} = 6$
At $t = 1$ , $\frac{dy}{dx} = \frac{1}{2}$	At $t = 1$ , $\frac{dy}{dx} = -\frac{1}{3}$
At $t = 1$ , $\frac{dy}{dx} = -\frac{1}{6}$	$t = 1$ , gives the point (1,2)
$t = 1$ , gives the point (4,0)	$t = 1$ , gives the point (1,1)
$t = 1$ , gives the point (3,3)	$t = 1$ , gives the point (5,2)
$t = 1$ , gives the point (4,1)	$t = 1$ , gives the point (5,1)