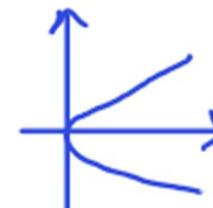
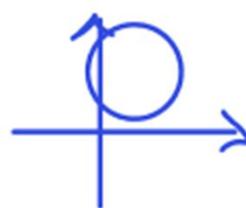
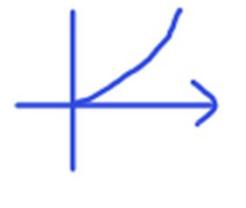


$x = p(t)$	$y = q(t)$	Cartesian Equation $f(x, y)$	Intersection with axes	Constraint on $t$	Domain	Range	Sketch
$x = 3 - t$	$y = -4 + 3t$	$y = 5 - 3x$	$(5, 0)$ $(0, 5)$	$-3 \leq t \leq 3$	$0 \leq x \leq 6$	$-13 \leq y \leq 5$	
$x = 3t^2$	$y = 6t$	$y^2 = 12x$	$(0, 0)$	$-3 \leq t \leq 3$	$0 \leq x \leq 27$	$-18 \leq y \leq 18$	
$x = 4 \cos t$	$y = 2 \sin t$	$\frac{x^2}{16} + \frac{y^2}{4} = 1$	$(\pm 4, 0)$ $(0, \pm 2)$	$-\pi \leq t \leq \pi$	$-4 \leq x \leq 4$	$-2 \leq y \leq 2$	
$x = 1 + 2 \cos t$	$y = 3 + 2 \sin t$	$(x-1)^2 + (y-3)^2 = 4$	$(0, 3 \pm \sqrt{3})$		$-1 \leq x \leq 3$	$1 \leq y \leq 5$	
$x = e^{2t}$	$y = e^{3t}$	$y^2 = x^3$	$\times$		$x > 0$	$y > 0$	

$x = p(t)$	$y = q(t)$	Cartesian Equation	Intersection with axes	Constraint on $t$	Domain	Range	Sketch
$x = t^2 - 1$	$y = t(t^2 - 1)$	$y^2 = x^2(x+1)$	$(-1, 0)$ $(0, 0)$		$x \geq -1$	$y \in \mathbb{R}$	
$x = 3 \cos 2t$	$y = 2 \cos t$	$x = \frac{3}{2}y^2 - 3$	$(-3, 0)$ $(0, \pm\sqrt{2})$		$-3 \leq x \leq 3$	$-2 \leq y \leq 2$	
$x = 1 + 2t^2$	$y = -3 + 4t$	$(y+3)^2 = 8(x-1)$	$(\frac{17}{8}, 0)$		$x > 1$	$y \in \mathbb{R}$	
$x = \ln(t - 2)$	$y = \frac{1}{t+1}$	$y = \frac{1}{e^x + 3}$		$t > 3$	$x > 0$	$0 < y < \frac{1}{4}$	
$x = \cot t$	$y = 3 \sin t$	$y^2 = \frac{9}{x^2 + 1}$	$(0, 3)$	$0 \leq t \leq \pi$	$x \in \mathbb{R}$	$0 < y \leq 3$	

Ends  
at  
 $y = 2$   
 $y = -2$