Socrative

Parametric curves #2

Score:

1. =1	The slope of the tangent to the parametric curve $x(t) = 3t^2 - 3$, $y(t) = 2t + 1$ at t is
	1/3
(B)	1
(\tilde{c})	2
$\overline{\mathbb{D}}$	3
Ē	6
2.	The curve defined by parametric equations $x(t) = cos(t)$, $y(t) = (sin(t))^2$ is
(A)	a circle
	a semi-circle
()	parabola
	portion of parabola
E	hyperbola
F	single branch of hyperbola
3.	Equation for the parametric curve $x(t) = cos(t)$, $y(t) = 4 sin(t)$ is
	$16 \times 2 + y^2 = 16$
	$4 x^2 + y^2 = 4$
	$x^{2} + 16y^{2} = 16$
(E)	$16 x^2 + 16 y^2 = 1$