## Math 65B - Summer 2016

Quiz 12: Thursday July 21, 2016

1. (1 point) Eliminate the parameter for the following parameterized curve. Sketch the curve and use arrows to denote the direction.

$$
x=\sin (t), \quad y=\csc (t), \quad 0<t<\frac{\pi}{2}
$$

2. (1 point) Find $\frac{d y}{d x}$ and $\frac{d^{2} y}{d x^{2}}$. For what values of $t$ is the curve concave up?

$$
x=2 \sin (t), \quad y=3 \cos (t), \quad 0<t<2 \pi
$$

