Provide a clear and organized presentation.

1.   Remove the parameter from the following set of parametric equations:

$$x = 2\sin t$$
$$y = 6\sin 2t$$

2.   My cat *Theta* kicked a mouse off of my dining room table, which stands 3 feet tall. If the initial speed was 25 ft/s and the angle made with the horizontal was 60°, then haw far from the table did this mouse land?