

Name: _____

Section: _____

Clear your desk of everything except pens, pencils and erasers. **Show all your work.**

If you have a question raise your hand and I will come to you.

1. (5 points) What is the corresponding Cartesian equation for this parametric curve?

$$x = -6 \cos 3t, \quad y = 7 \sin 3t$$

2. (5 points) Find the point (r, θ) symmetric to the given point $\left(-4, \frac{\pi}{4}\right)$

(a) about the x -axis:

(b) about the y -axis:

(c) about the origin: