**Quiz 1**          **Calculus 3**          **10/25/16**

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Give parametric equations $x(t)$, $y(t)$, $z(t)$ and bounds for t that produce a line segment from (0, 3, -5) to (4, 5, 7).

2. Give parametric equations $x(t)$ and $y(t)$ and bounds for t that produce the portion of a circle with radius $\sqrt{10}$, centered at the origin, beginning at $(-\sqrt{5}, \sqrt{5})$ and continuing counterclockwise to $(\sqrt{5}, -\sqrt{5})$.