Quiz 1 Calculus 3 11/4/2015

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 path from (0, -2, 10) to (5, -3, 7).

2. Give parametric equations x(t), y(t), z(t) and bounds for t that produce the top half of a counterclockwise circle with radius 5 centered at (0,0,2) in the plane z = 2 starting at (5,0,2) and ending at (-5,0,2).