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

2. Give parametric equations x(t), y(t), z(t) and bounds for t that produce a quarter of a circle with radius 3 in the plane z = 5 beginning at (3, 0, 5) and ending at (0, 3, 5).