(Easier) Practice Quiz 1 Calc 3 10/22/2020

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

2. Give parametric equations x(t), y(t), z(t) and bounds for t that produce a unit circle centered at the origin in the plane $z = 0$ beginning at (1, 0, 0).

(Harder) Practice Quiz 1 Calc 3 10/22/2020

1. Give parametric equations x(t), y(t), z(t), and bounds for t that produce a path from (–2, 7, 1) to (a, b, c).

2. Give parametric equations x(t), y(t), z(t) and bounds for t that produce an arc of a circle centered at (0, 0, 3) in the plane $z = 3$ of radius a beginning at (0, a, 3) and continuing counterclockwise through n quadrants.