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 (1, 5, 1) to (4, 3, 2).

Chech: x(0) = 1 v x(1) = 4 <math>v y(0) = 8 v y(1) = 3 v y(0) = 1 v z(1) = 2 v

2. Give parametric equations x(t) and y(t) and bounds for t that produce a circle with radius 3 centered at the origin traversed 2 complete times beginning and ending at (0,3).

We start with t= 1/2 so the starting point in (0,3). Since we one osked to troverse it truce, going to 51/2 is not enough, we need to to troverse it truce, going to 51/2 is not enough, we need to travel it again up to 9th/2 Nice!