## Quiz $1 \quad$ Calculus $3 \quad$ 10/26/21

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

1. Give parametric equations $\mathrm{x}(t), \mathrm{y}(t), \mathrm{z}(t)$ and bounds for $t$ that produce a path from $(1,5,1)$ to $(4,3,2)$.
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 $(0,3)$.
