1. Find parametric equations for the tangent line to the curve given by
\[ x = 1 - t^2, \quad y = 1 - t^3, \quad z = e^{t+1} \]
at the point \((0, 2, 1)\).

Parametric Equations of Line:

2. Find the arc length of the curve traced by
\[ x = 7t - \cos t, \quad y = t + 7\cos t, \quad z = 5\sqrt{2} \sin t, \]
where \(0 \leq t \leq \pi\). Simplify your answer.

Arc length: (simplify)