

Engineering Mathematics I---Quiz-1

- 1) Find parametric equations of the tangent line to the given curve at the indicated value of t . $x = t$, $y = \frac{1}{2}t^2$, $z = \frac{1}{3}t^3$; $t = 2$
- 2) Find the directional derivative of the given function at the given point in the indicated direction. $f(x, y) = (xy + 1)^2$; $(3, 2)$, the direction $\langle 5, 3 \rangle$.