Math 225 : Quiz **Sept. 19, 1991**
   Show your work on a blank sheet of paper with your name and date at the top (no torn edges). Circle
your final answer. You may use a calculator.

1. Compute the distance from the point $(1, 1, 1)$ to the plane $2x - y + 3z = 7$.

2. Find the points (if any) where the curve described by

$$(t) = (t - \cos(t)) \subset + (1 - \sin(t)) \supset +, \quad 0 \le t \le 2\pi$$

is not smooth.