Math 210 Quiz 1  /  Wednesday, September 3, 2008  /  David Dumas

(1) Let $L$ be the line in $\mathbf{R}^3$ containing the points $P = (3, 0, 2)$ and $Q = (1, 1, 4)$.
Find a vector parameterization of $L$.

(2) Let $M$ be the line containing the origin and the point $P$, so the lines $L$ and $M$
intersect at $P$. Find the angle between the lines at that point.
    (Actually, when two lines meet, there are two different angles, as shown below.
You can find either one.)