QUIZ 3

Name _____

1. Decide whether the line defined by $x = 4 + t$, $y = 2$ and $z = 3 + 2t$ and the line defined by $x = 2 + 2s$, $y = 2s$ and $z = -1 + 4s$ are parallel, skew or intersect.

2. Find the equation of the plane containing the point $(3, 1, 0)$ and parallel to the plane $-3x - 3y + 2z = 3$.

3. Find the intersection of the two planes $3x + 4y = 1$ and $x + y - z = 3$