Quiz 5

Name: _____

1. Find the area of the part of the plane $3x + 2y + z = 6$ that lines in the first octant.

2. Use triple integral to find the volume of solid E, which lies under the plane $z = 1 + 2x + 4y$ and above the region in the xy-plane bounded by lines $x = 0$, $y = 0$, $x + y = 1$.