Quiz 1   **Time: 15 minutes**

1. Find the angle between the diagonal of a cube and one of the edges (you do not need to compute the numerical value).

2. Find an equation in x, y, z for the plane which passes through the points $(1, 0, 1)$, $(2, 1, 0)$, $(1, 1, 1)$.

Each problem is worth 5pts.