

Calculus III Quiz 1

Don't forget to write down clearly your **Name**:

and **Net Id**:

1. Equation of a plane (5 points) Find the equation of the plane that passes through $(1, 2, 3)$ and is orthogonal to $\mathbf{i} + \mathbf{j} + \mathbf{k}$.

2. Triangle area (5 points) What is the area of the triangle formed by the vectors \mathbf{i} , \mathbf{j} and \mathbf{k} ?