

Quiz 1

Calculus 3

8/27/18

Each problem is worth 5 points. Provide good justification of your answers for full credit.

1. Find the magnitude of the vector $\langle 3, 0, 1 \rangle$.

2. Find a unit vector with the same direction as $4\mathbf{i} - \mathbf{j} + 8\mathbf{k}$.