

MAT 242 Spring 2018

Quiz 3

Name: _____

Show all work clearly and in order, and circle your final answers. Justify your answers.

PROBLEM ONE Find a unit vector orthogonal to both $\vec{a} = \langle 1, 2, 2 \rangle$ and $\vec{b} = \langle -1, -3, 2 \rangle$.

PROBLEM TWO Find the symmetric equations of the line through the points $(5, 2, 0)$ and $(0, 4, 4)$.