Section _____ **Name** _____

TA _____ **Student Number** _____

Math 126B **Calculus With Analytic Geometry III** **Fall 1995**

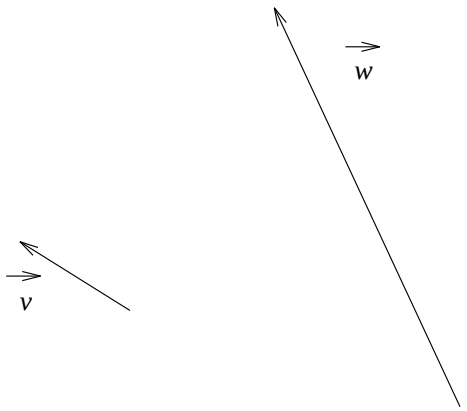
QUIZ #3

10/12/95

Straight lines must be drawn with a ruler; no credit will be given if drawn by hand. Don't worry about algebraically simplifying numbers (i.e. you may leave radicals in the denominator, fractions unreduced, etc.). **Show your work.**

Both problems refer to the vectors $\vec{v}$ and $\vec{w}$ drawn below.

1. *Draw* into the picture and clearly label the vector projection of $\vec{w}$ onto $\vec{v}$, with its initial point at the initial point of $\vec{w}$.



2. Using ruler and pencil, determine the value of $\vec{v} \cdot \vec{w}$.

$\vec{v} \cdot \vec{w} =$ ☐