

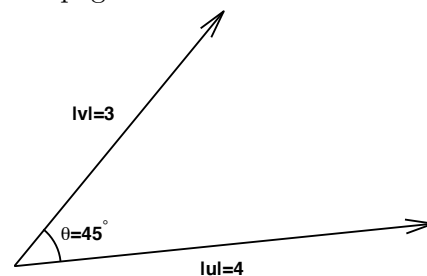
Quiz 2

Your Name (please PRINT): _____

Student ID Number: _____

1. Find the area of the triangle with vertices $A(-2, 1, 3)$, $B(2, 2, -1)$ and $C(3, 7, 3)$.

2. Vectors \mathbf{u} and \mathbf{v} are given as in the figure below. Find $|\mathbf{u} \times \mathbf{v}|$ and determine whether $\mathbf{u} \times \mathbf{v}$ is directed into the page or out of the page.



3. Is the line through $(-2, 4, 0)$ and $(1, 1, 1)$ parallel to the line through $(2, 3, 4)$ and $(3, -1, -8)$?