Name_____

Let $\mathbf{u} = \langle 2, 2\sqrt{3} \rangle$ and $\mathbf{v} = \langle 3, 0 \rangle$.

1. Calculate the angle between $\mathbf{u}$ and $\mathbf{v}$.

2. Calculate $\text{proj}_{\mathbf{v}}\mathbf{u}$.