# Class Discussion: The Dot Product

**EXAMPLE:**  If $\vec{v} = \langle 5, -2 \rangle$ and $\vec{w} = \langle -7, 3 \rangle$, find $\vec{v} \cdot \vec{w}$.

**EXAMPLE:**  Use the dot product to find the angle between the vectors $\vec{r} = \langle -3, 6 \rangle$ and $\vec{s} = \langle -4, -5 \rangle$.