

Section 1: The scalar product

Crucial points

1. **Remember that the scalar product of perpendicular vectors is zero**
To show that two vectors are perpendicular just show that the scalar (or dot) product of the vectors is 0.
2. **Draw diagrams to make sure that you are using the right vectors**
If you want to find $\angle ABC$, the diagram below shows that you need to work out the angle between the vectors \overrightarrow{BA} and \overrightarrow{BC} .

