Section 3: Sine and cosine rules

Crucial points

1. **Try geometry first when finding angles**
   Make sure that you check whether any missing angles can be found using geometry first.

2. **When finding angles, check for equivalent values**
   Make sure when you use the sine rule to find a missing angle, θ, that you check to see whether $180° - \theta$ is also a solution.

3. **Check that all units are the same**
   Make sure you check that all the units are the same so you are not mixing, say, kilometres and metres.

4. **Check your calculator mode**
   Make sure your calculator is in degrees mode and not in radians mode.

5. **Be careful not to lose accuracy through rounding**
   Make sure you never round a number until you reach your final answer.