

**Qualification:** SQA National 5 Mathematics 2016

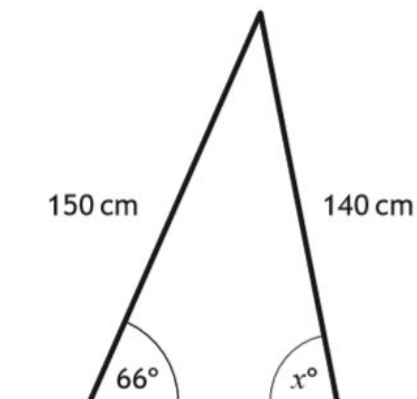
**Paper:** 2 (Calculator)

**Question:** 8

8. A set of stepladders has legs 150 centimetres and 140 centimetres long.



When the stepladder is fully open, the angle between the longer leg and the ground is  $66^\circ$ .



Calculate  $x^\circ$ , the size of the angle between the shorter leg and the ground.

**3**