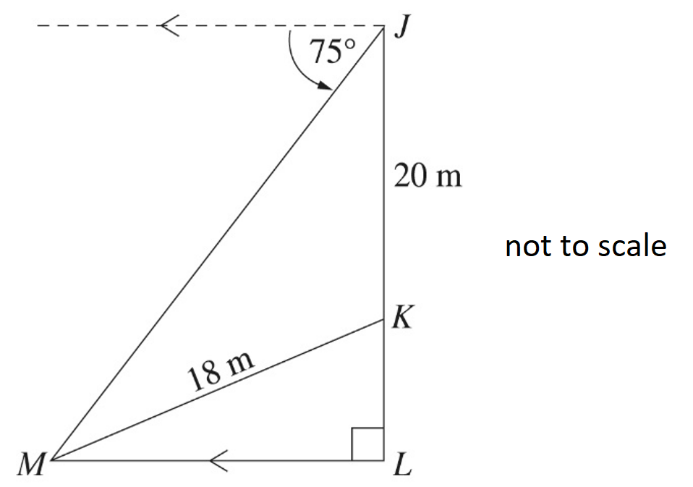
 NESA exemplar question solutions

M6 non-right-angled trigonometry

Solutions for questions from the NESA topic guidance related to non-right-angled trigonometry.

1. The angle of depression from to is . The length of is m and the length of is m.



Calculate the angle of elevation from to . Give your answer to the nearest degree.

Solution:

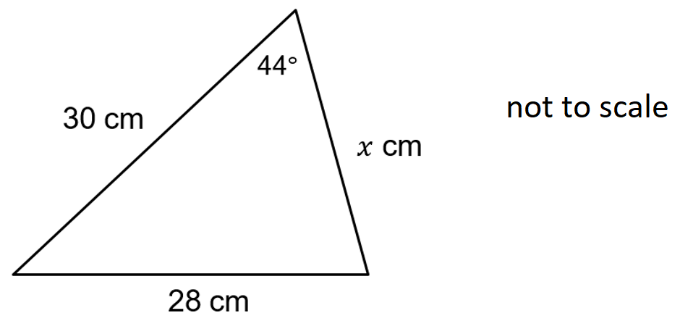
In triangle

Elevation from to (Alternate angles within parallel lines are equal)

Elevation from to

The angle of elevation from to is (correct to the nearest degree)

1. The area of the triangle shown is cm2.



What is the value of , correct to the nearest whole number?

* 1. 11
  2. 18
  3. 22
  4. 24

Solution:

cm (correct to the nearest cm)

Correct answer is d