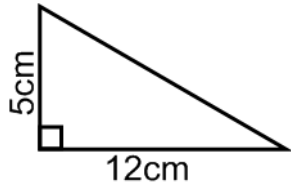


***Pythagoras.**

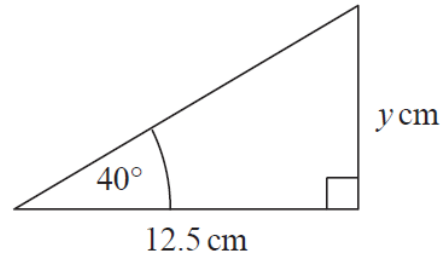
Calculate the length of the hypotenuse.



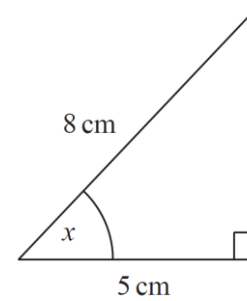
A triangle has sides 8cm, 6cm, 10cm. Show that it is a right angled triangle?

***Trig – Finding sides.**

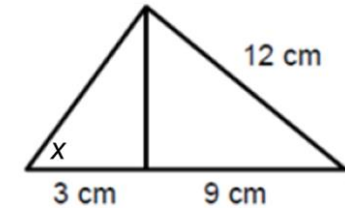
Evaluate the value of 'y' to 1dp.

***Trig – Finding Angles.**

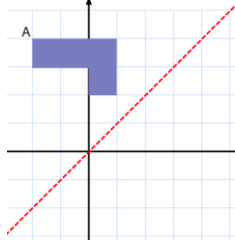
Determine the size of angle 'x' to 1dp.

***Pythag and Trig mix.**

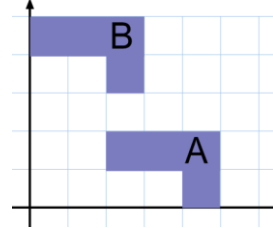
Calculate the value of 'x' to 1dp.

**Reflections.**

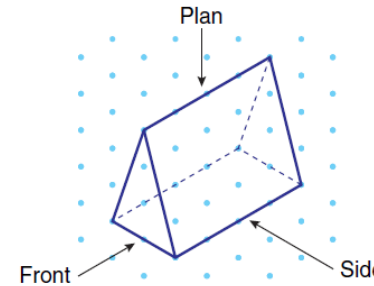
After reflecting this shape in the diagonal line, what are the new coordinates of 'A'?

**Translations.**

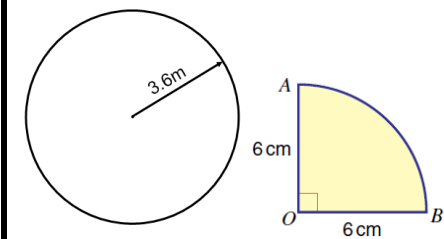
Write the column vector that translates 'A' to 'B'. How does the vector change when translating 'B' to 'A'?

**Plans and Elevations.**

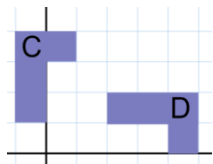
Draw each of the elevations for the diagram below.

***Circles.**

Calculate the perimeter and area of these shapes to 3sf. (and if possible in terms of π).

**Rotations.**

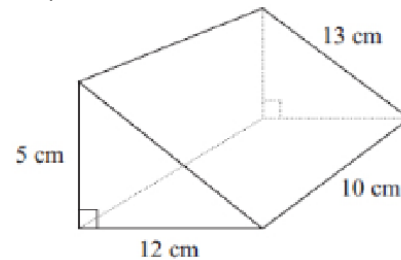
To perform a rotation, three pieces of information are required, what are they?



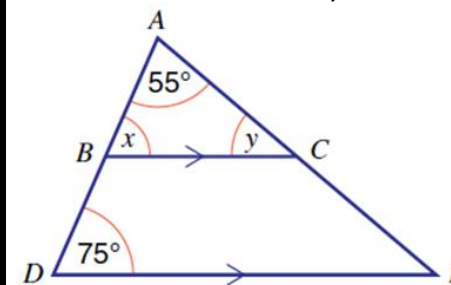
Describe the rotation that maps 'C' to 'D'

***Surface Area and volume.**

Determine the surface area and volume of the prism below.

**Angles in \parallel lines.**

Find the values of 'x' and 'y'.

**Enlargements.**

Enlarge 'E' by scale factor 2 about (0, 0).

