18 $a:b = 5:8$ and $b:c = 6:25$

Find, in its simplest form, $a:b:c$

$a:b:c =$ .....

(Total for Question 18 is 3 marks)

19

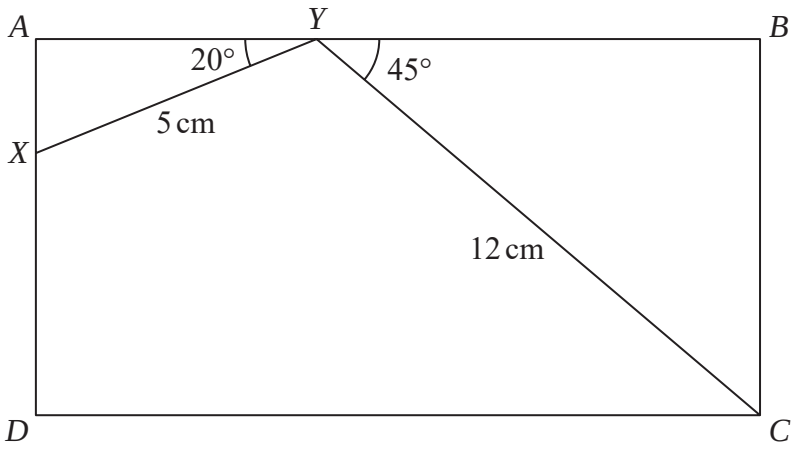

Diagram **NOT** accurately drawn

$ABCD$ is a rectangle.
X is the point on AD and Y is the point on AB such that
$XY = 5$ cm, $YC = 12$ cm, $\angle BYC = 45°$ and $\angle AYX = 20°$

Find the length, in cm to 3 significant figures, of

(a) BC,

$BC =$ ..... cm

(2)

(b) AB.

$AB =$ ..... cm

(2)

(Total for Question 19 is 4 marks)