Maths

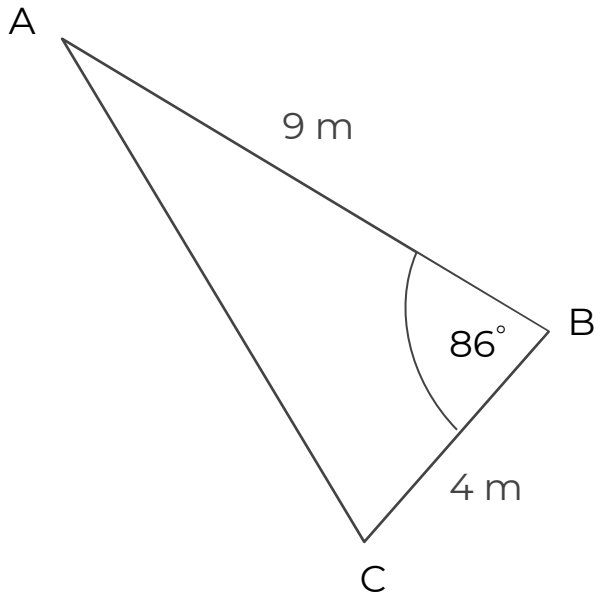
Find the area of a triangle using

$$\mathbf{A} = \frac{1}{2}ab\sin C$$

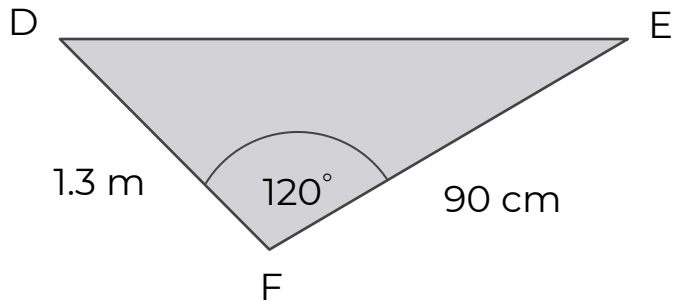
Mr Bond

Area of non-right angled triangles

1. Find the area of triangle ABC to two decimal places.

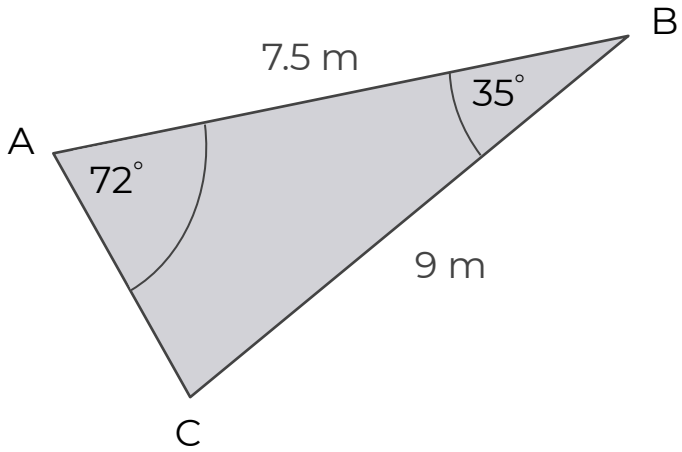


2. Calculate the area of triangle DEF to two significant figures.



Area of non-right angled triangles

3. Here is a non right angled triangle.



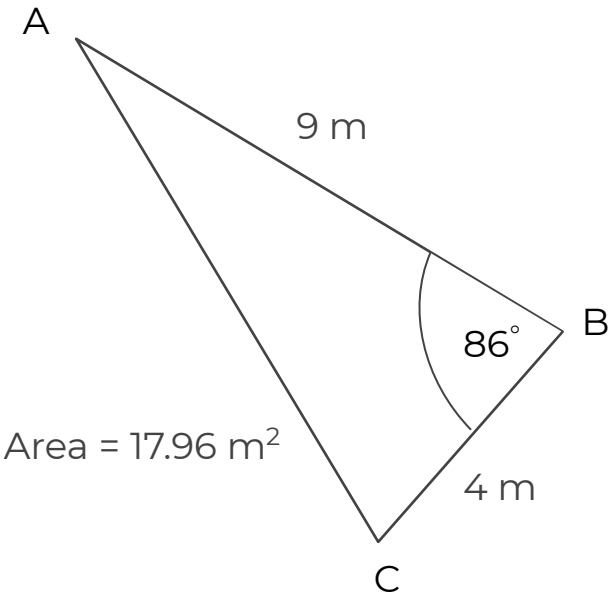
a) Find the length AC.

b) Workout the area of ABC.

Answers

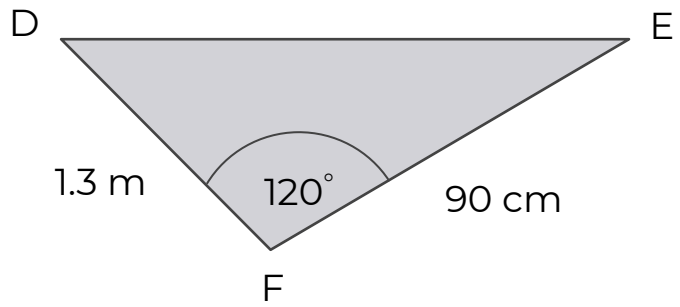
Area of non-right angled triangles

1. Find the area of triangle ABC to two decimal places.



Area = 17.96 m^2

2. Calculate the area of triangle DEF to two significant figures.

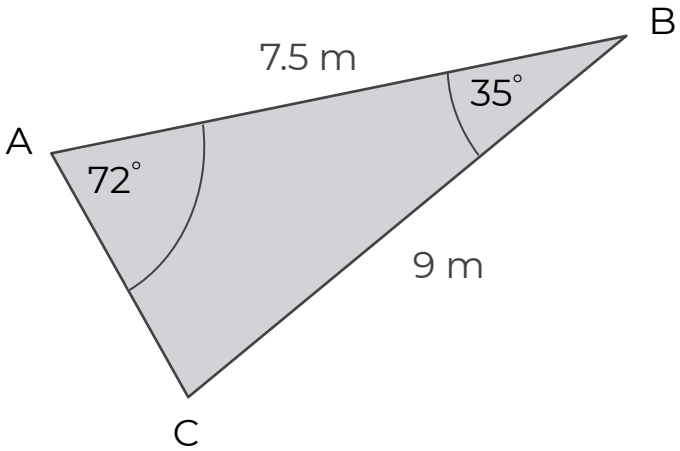


Area = 0.51 m^2

Area = 5100 cm^2

Area of non-right angled triangles

3. Here is a non right angled triangle.



a) Find the length AC. 5.4 m

b) Workout the area of ABC. 19.3 m^2