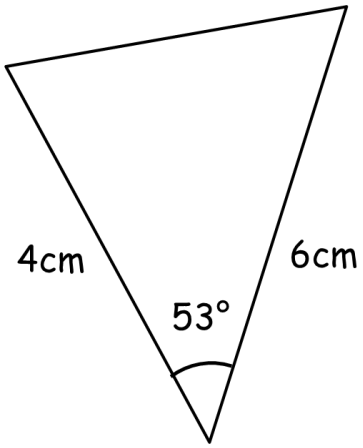
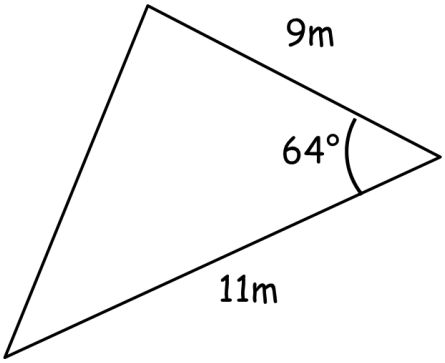
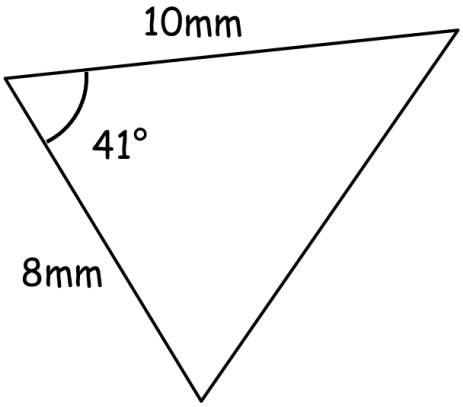
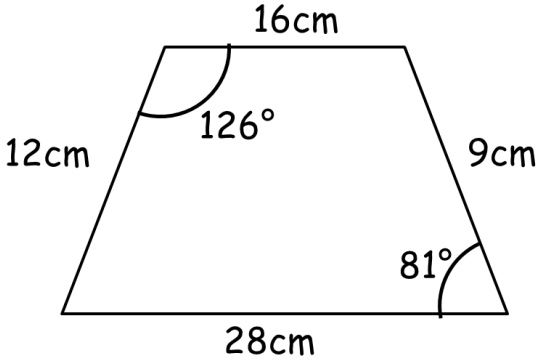
Area of non-right-angled triangles - GREEN

Calculate the area of these shapes.

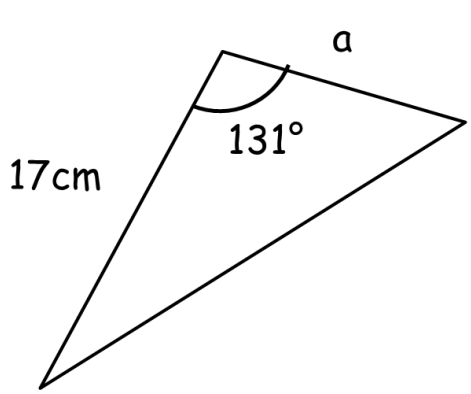




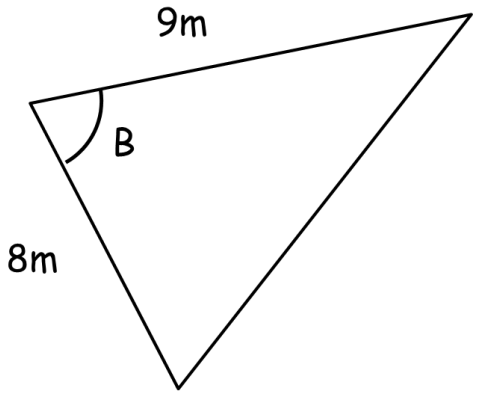




Calculate the length of a and the size of angle B.



Area = 25cm²

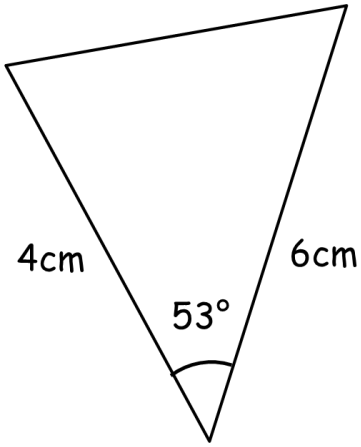


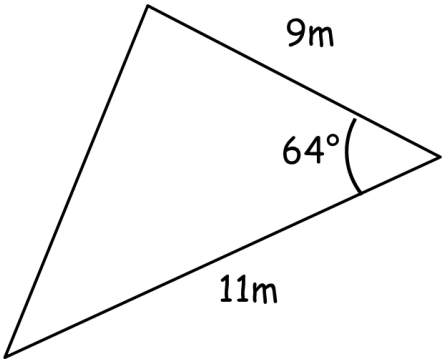
Area = 30m²

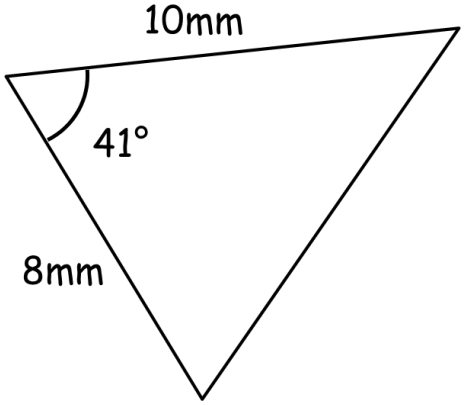
Area of non-right-angled triangles - AMBER

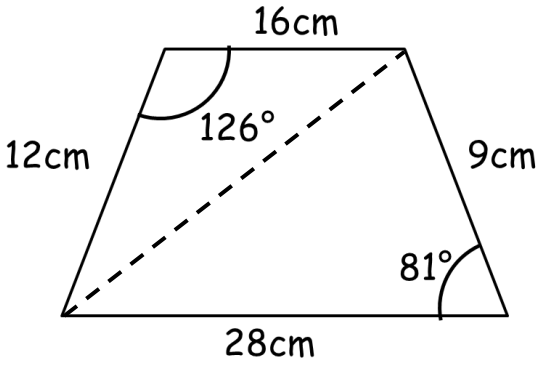
Calculate the area of these shapes.

$$\tfrac{1}{2}\, ab \sin C$$



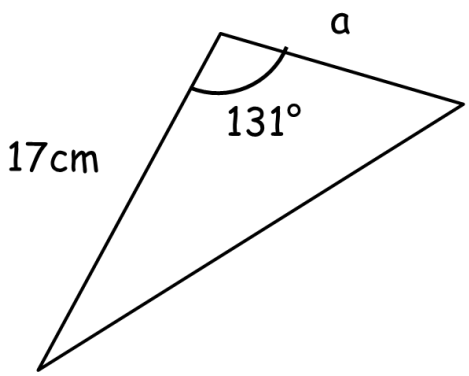




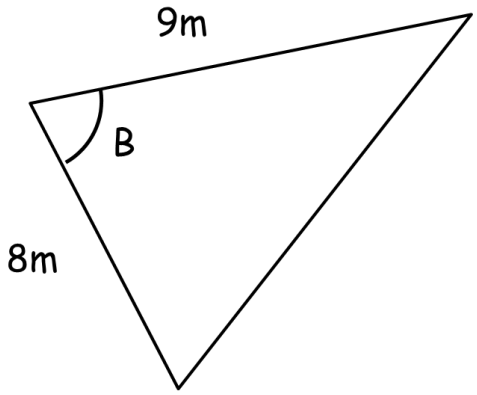


Calculate the length of a and the size of angle B.

Hint: Set up an equation…



Area = 25cm²

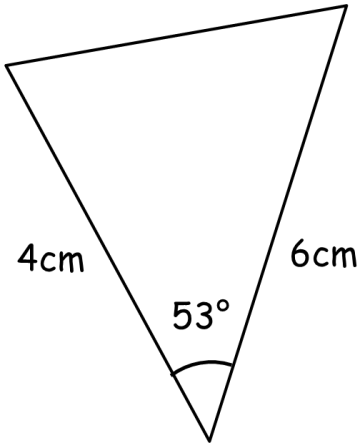


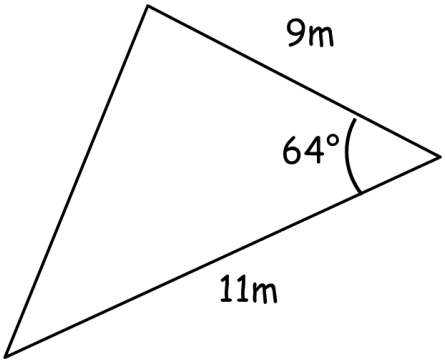
Area = 30m²

Area of non-right-angled triangles - RED

Calculate the area of these shapes.

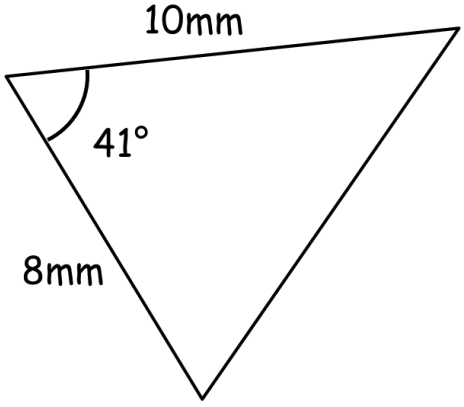
$$\tfrac{1}{2}\, ab \sin C$$

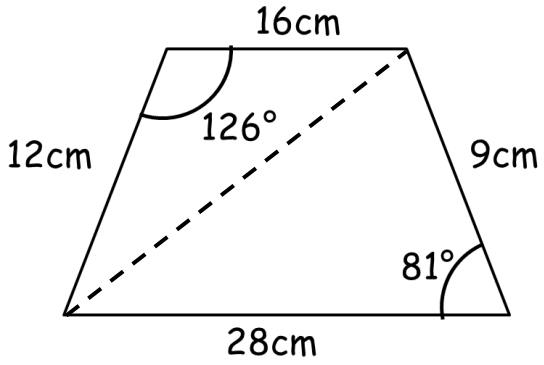




Area $= \tfrac{1}{2} \times 4 \times 6 \times \sin 53$

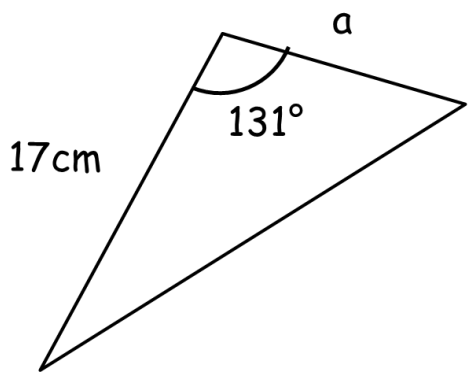
$= 12 \sin 63 =$





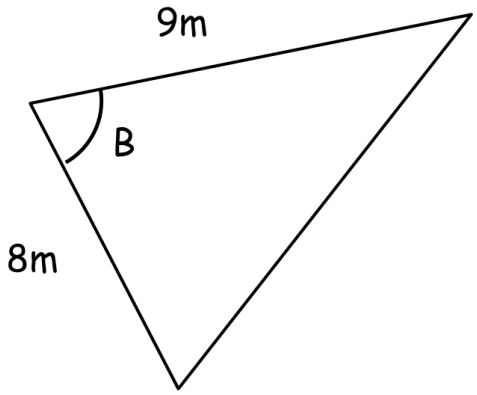
Calculate the length of a and the size of angle B.

Hint: Set up an equation…



Area = 25 cm²

$\frac{1}{2} \times 17 \times a \times \sin 131 = 25$



Area = 30m²

$\frac{1}{2} \times 8 \times 9 \times \sin B = 30$