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.

$$½ ab\sin(C)$$

 

 

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.

$$½ ab\sin(C)$$

 

Area $=½×4×6×\sin(53)$

 $=12\sin(63)=$

 

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

Hint: Set up an equation…

 

Area = 25 cm² Area = 30m²

$½×17×a×\sin(131)=25$ $½×8×9×\sin(B)=30$