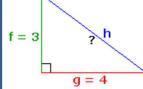
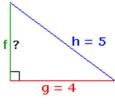
# Maths – Year 10 Foundation – Unit 4

## Pythagoras' Theorem





$$h^2 = f^2 + g^2$$
  
 $h^2 = (3)^2 + (4)^2$ 

 $h^2 = 9 + 16$ 

 $h^2 = 25$ 

h = 5

$$h^2 = f^2 + g^2$$
$$g^2 = h^2 - f^2$$

$$g^2 = (5)^2 - (3)^2$$

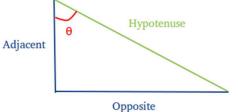
$$g^2 = 25 - 9$$

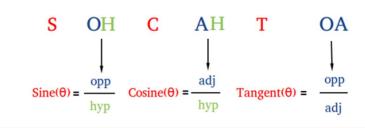
$$h^2 = f^2 + g^2$$

$$f^2 = h^2 - g^2$$
  
 $f^2 = (5)^2 - (4)^2$ 

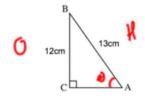
$$f^2 = 9$$

# **Trigonometry**



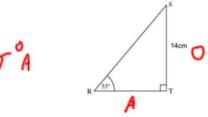


#### Trigonometry - Finding a missing angle



Calculate the size of angle BAC.

## **Trigonometry – Finding a missing side**



Find the length of the side RT in the triangle above.

