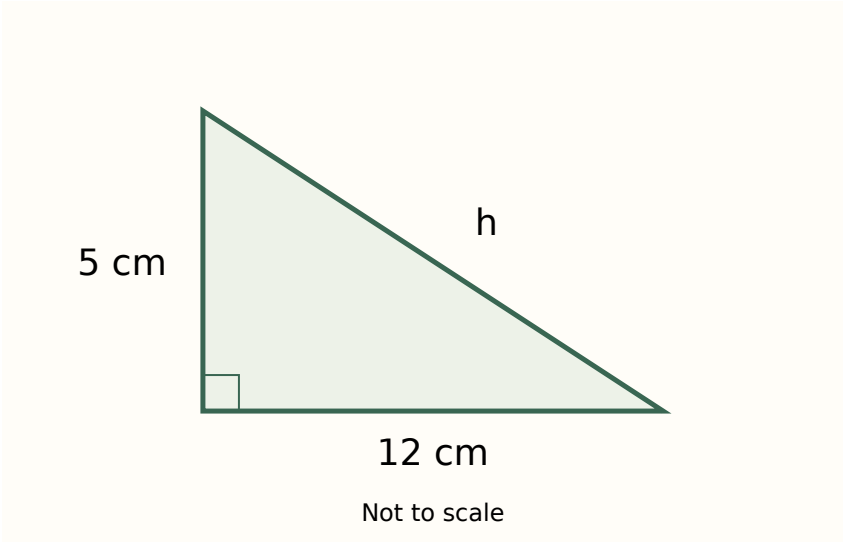
Practice worksheet | Pythagoras' theorem

Hypotenuse and right-angled triangles

Name: _____ Date: _____

6 questions | 12 marks

1. In the supplied triangle, identify its two legs and its hypotenuse. [2 marks]



2. A right triangle has legs a and b and hypotenuse c. Write its squared-length relationship. [2 marks]

3. A right angle is opposite side AB in triangle ABC. Which side is the hypotenuse? [2 marks]

4. Could a right triangle have hypotenuse 7 cm and a leg of 9 cm? Explain. [2 marks]

5. Can you apply the theorem to a triangle known only to have an angle of 60 degrees? [2 marks]

6. The same right triangle is turned upside down. Does its hypotenuse change? Explain. [2 marks]