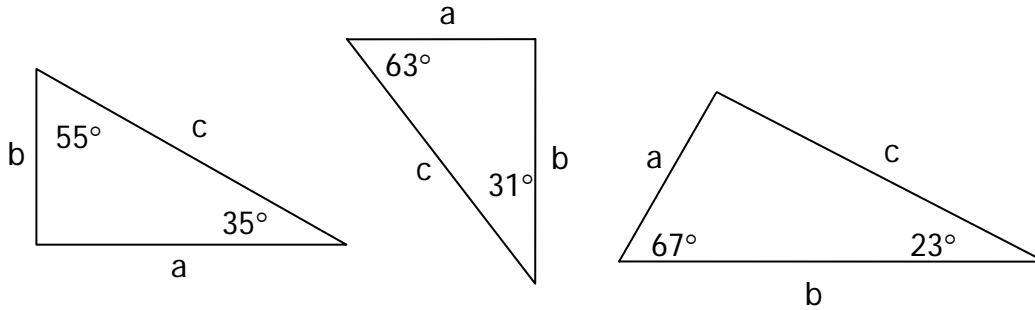


PYTHAGORAS' THEOREM

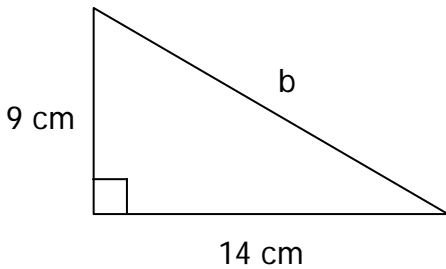
Name: _____

Assessment Criteria: Understand and apply Pythagoras' theorem when solving problems in 2D

1. In which of these triangles is it true that $a^2 + b^2 = c^2$? Tick any that are.



2. Calculate the value of 'b' in the triangle here

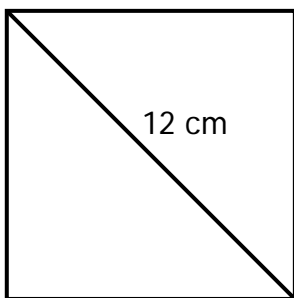


_____ cm

3. A ladder is 7.5 metres long. Nick places it against a wall so that it reaches up 6 metres. What is the distance from the base of the ladder to the wall?

_____ m

4. What is the side length of a square with diagonal 12 centimetres?



_____ cm

Overall, I think my success level is:

Low High

Q	PYTHAGORAS' THEOREM	☺	☹
	I know when to use Pythagoras' Theorem		
	I can use Pythagoras' Theorem to find the hypotenuse of a right-angled triangle		
	I can use Pythagoras' Theorem to find the length of one of the shorter sides in a right-angled triangle		
	I can interpret information in a problem that needs application of Pythagoras' Theorem		
	<i>I can solve increasingly demanding problems and evaluate solutions</i>		
I need to practise ...			