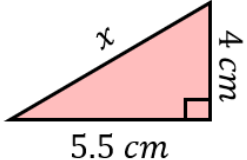
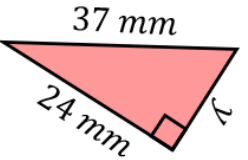
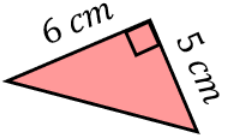
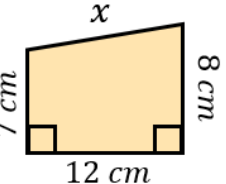
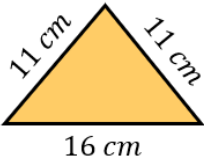
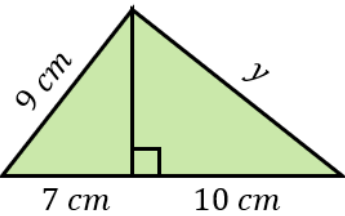



## Pythagoras' Theorem Revision

<p><b>(a)</b></p> <p>Find the value of <math>x</math> to 1 decimal place.</p> 	<p><b>(b)</b></p> <p>Find the value of <math>y</math> to 3 significant figures.</p> 	<p><b>(c)</b></p> <p>A triangle has sides of lengths <math>10.5\text{ cm}</math>, <math>12\text{ cm}</math> and <math>16.5\text{ cm}</math>. Is the triangle right-angled? Explain your answer.</p>	<p><b>(d)</b></p> <p>Find the perimeter of the triangle to 3 significant figures.</p> 
<p><b>(e)</b></p> <p>Find the distance between the coordinates <math>(1, 6)</math> and <math>(3, 2)</math>, giving an exact answer.</p>	<p><b>(f)</b></p> <p>Find the value of <math>x</math> to 3 significant figures.</p> 	<p><b>(g)</b></p> <p>Find the area of the isosceles triangle to 1 decimal place.</p> 	<p><b>(h)</b></p> <p>From point A, a boat sails 80 km east. It then turns and sails 110 km south to point B. Find the distance AB to the nearest km.</p>
<p><b>(i)</b></p> <p>Find the value of <math>y</math> to 3 significant figures.</p> 	<p><b>(j)</b></p> <p>The area of the isosceles triangle is <math>40\text{ cm}^2</math>. Find the perimeter of the triangle, to 1 decimal place.</p> 	<p><b>(k)</b></p> <p>Find the length of the line AB, giving your answer to 3 significant figures.</p> 