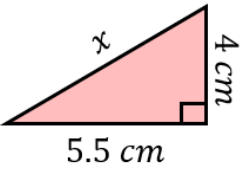
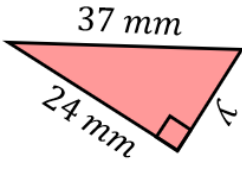
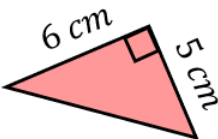
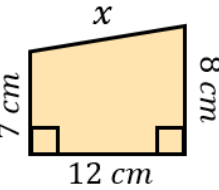
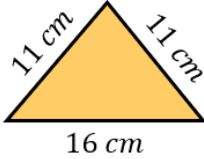
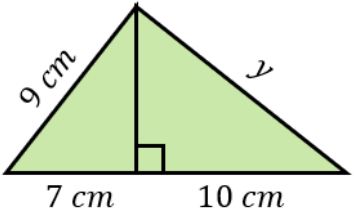
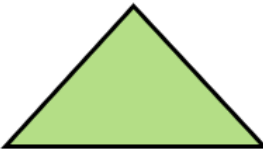
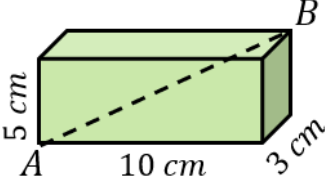


Pythagoras' Theorem Revision

<p>(a)</p> <p>Find the value of x to 1 decimal place.</p>  <p style="text-align: right; color: red;">6.8 cm</p>	<p>(b)</p> <p>Find the value of y to 3 significant figures.</p>  <p style="text-align: right; color: red;">28.2 mm</p>	<p>(c)</p> <p>A triangle has sides of lengths 10.5 cm, 12 cm and 16.5 cm. Is the triangle right-angled? Explain your answer.</p> <p style="text-align: center; color: red;"> $16.5^2 = 272.25$ $10.5^2 + 12^2 = 254.25$ No </p>	<p>(d)</p> <p>Find the perimeter of the triangle to 3 significant figures.</p>  <p style="text-align: right; color: red;">18.8 cm</p>
<p>(e)</p> <p>Find the distance between the coordinates (1, 6) and (3, 2), giving an exact answer.</p> <p style="text-align: center; color: red;">$2\sqrt{5}$</p>	<p>(f)</p> <p>Find the value of x to 3 significant figures.</p>  <p style="text-align: right; color: red;">12.0 cm</p>	<p>(g)</p> <p>Find the area of the isosceles triangle to 1 decimal place.</p>  <p style="text-align: right; color: red;">60.4 cm²</p>	<p>(h)</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 style="text-align: center; color: red;">136 km</p>
<p>(i)</p> <p>Find the value of y to 3 significant figures.</p>  <p style="text-align: right; color: red;">11.5 cm</p>	<p>(j)</p> <p>The area of the isosceles triangle is 40 cm². Find the perimeter of the triangle, to 1 decimal place.</p>  <p style="text-align: right; color: red;">34.9 cm</p>	<p>(k)</p> <p>Find the length of the line AB, giving your answer to 3 significant figures.</p>  <p style="text-align: right; color: red;">11.6 cm</p>	