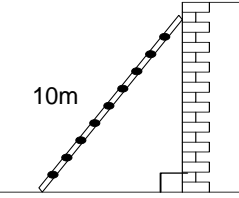
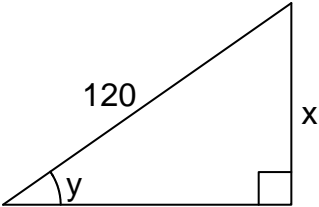
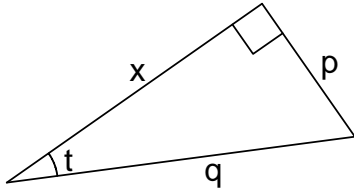
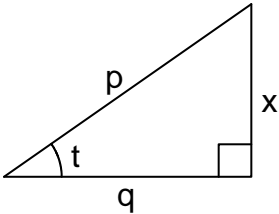
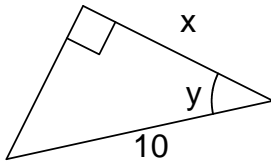
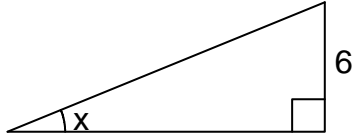
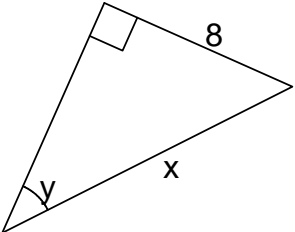
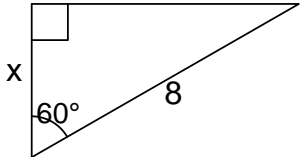
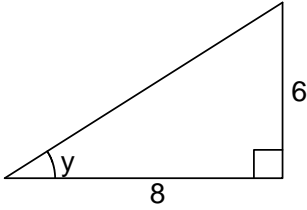


## Mathematics Department Workshops

### Topic: Trigonometry

### Resource Sheet HT2.TRG.2

<p>The angle at the ground the ladder would have to be placed at to reach 6.3m (nearest 0.1m) up the wall.</p> 	<p>A value of <math>x</math> (given to the nearest integer) for which <math>10^\circ \leq y \leq 20^\circ</math></p> 	<p>An equation to find <math>x</math>.</p> 
<p>An equation to find <math>x</math>.</p> 	<p>A value for <math>y</math> for which <math>5 \leq x \leq 7</math></p> 	<p>A value of <math>x</math> so that the hypotenuse is greater than 10.</p> 
<p>A value for <math>y</math> for which <math>10 \leq x \leq 14</math></p> 	<p>The value of <math>x</math></p> 	<p>The value for <math>y</math> rounded to the nearest degree.</p> 

48
4
39

$x = psint$
$x = qcost$
37

36
55
16