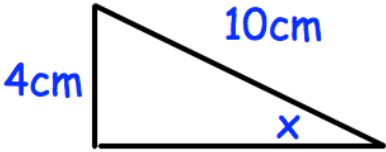


Name: \_\_\_\_\_

September 24	5-a-day	Higher
<p>Shown is a right angled triangle.</p>  <p>Find angle x.</p>		
<p>Write down the equation of the line that is parallel to <math>y = 5x + 2</math> and passes through <math>(0, 7)</math></p>	<p>Write down the equation of the line that is parallel to <math>y = 5x + 2</math> and passes through <math>(1, 10)</math></p>	
<p>A field is 3 metres longer than wide.</p> <p>The width of the field is <math>x</math> metres.</p> <p>The area of the field is <math>10\text{m}^2</math></p>	<p>Find <math>x</math>.</p>	
<p>Find the value <math>n</math>.</p> $2 \times \sqrt{2} = 2^n$		
<p>Rationalise the denominator</p> $\frac{3 + \sqrt{2}}{\sqrt{3}}$		