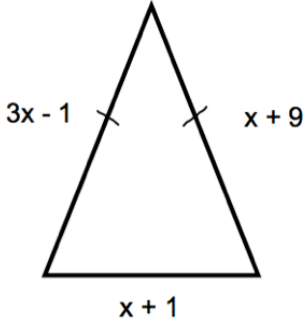
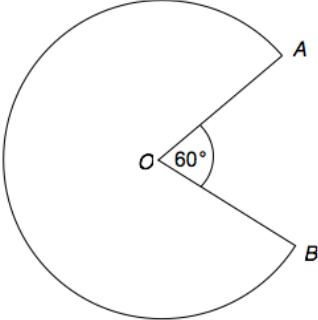


Name: _____

September 30	5-a-day	Higher										
<table border="1" data-bbox="172 241 528 456"> <thead> <tr> <th>Shape</th> <th>Probability</th> </tr> </thead> <tbody> <tr> <td>Circle</td> <td>0.1</td> </tr> <tr> <td>Triangle</td> <td>0.3</td> </tr> <tr> <td>Square</td> <td></td> </tr> <tr> <td>Rectangle</td> <td></td> </tr> </tbody> </table> <p>A bag contains 4 different shapes.</p>	Shape	Probability	Circle	0.1	Triangle	0.3	Square		Rectangle		<p>The probability of choosing a square is three times more likely than choosing a rectangle.</p> <p>Complete the table.</p>	
Shape	Probability											
Circle	0.1											
Triangle	0.3											
Square												
Rectangle												
<p>Work out the equation of the line passing through A (0, 1) and B (2, 4).</p>	<p>Write down the equation of the line parallel to AB and passing through (0, 7)</p>											
	<p>Shown is an isosceles triangle. Find x.</p>											
	<p>Angle AOB is 60° and OA is 10cm. Find the perimeter of the sector.</p>											
<p>Solve</p> $\frac{3}{x+3} - \frac{4}{x-3} = \frac{5x}{x^2-9}$												