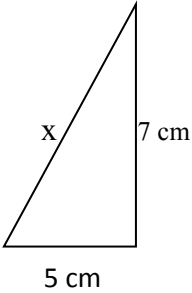
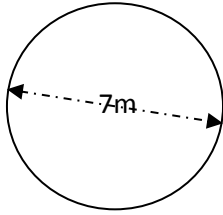


<p>1. Pythagoras' Theorem Find the length of the hypotenuse.</p>  <p style="margin-left: 150px;">$x^2 = \underline{\quad} + 5^2$</p> <p style="margin-left: 150px;">$x^2 = \underline{\quad} + \underline{\quad}$</p> <p style="margin-left: 150px;">$x^2 =$</p> <p style="margin-left: 150px;">$x = \sqrt{\underline{\quad}}$</p> <p style="margin-left: 150px;">$x =$</p>	<p>2. Fractions a) Subtract and simplify</p> $\frac{3}{8} - \frac{4}{7}$ <p>b) Simplify</p> $\frac{12}{8}$	<p>3. Statistics Representing the following in a stem and leaf plot</p> <p style="text-align: center;">23 34 56 22 34 27 45 28 51</p>												
<p>4. Trigonometry A ship sails on a bearing of 25°N for 12 km. How far east has it sailed?</p>	<p>5. Expanding Expand these brackets</p> <p>a) $4(x + 4)$</p> <p>b) $3x(x - 3)$</p>	<p>6. Geometry Draw the net of a triangular prism</p>												
<p>7. Indices Simplify $3x^4 \times -5x^3$</p>	<p>8. Financial Arithmetic</p> <p>a) 10% of 240</p> <p>b) 20 % of 240</p> <p>c) 5 % of 240</p>	<p>9. Measurement Find the area of this circle $A = \pi r^2$</p> 												
<p>10. Linear Equations Use the rule $y = 2x + 1$ to fill in the table</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 16.6%;">-2</th> <th style="width: 16.6%;">-1</th> <th style="width: 16.6%;">0</th> <th style="width: 16.6%;">1</th> <th style="width: 16.6%;">2</th> <th style="width: 16.6%;">3</th> </tr> </thead> <tbody> <tr> <td style="height: 30px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>What is the gradient of this linear equation?</p>			-2	-1	0	1	2	3						
-2	-1	0	1	2	3									