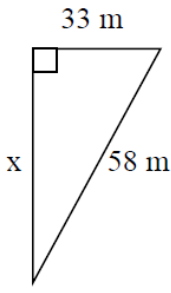
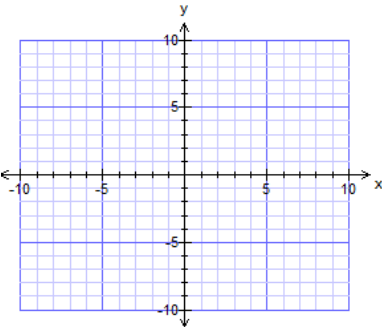
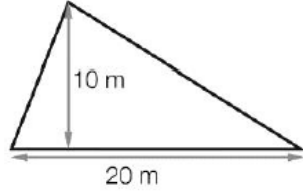


If a question has more than 1 mark, show some working out for full marks.

Due: _____

<p>1. Pythagoras' Theorem (2) Find the value of x</p> 	<p>2. Fractions (2) Subtract these fractions</p> $\frac{2}{5} - \frac{4}{9}$	<p>3. Statistics -(4) Find the mean, median and mode of the following data set.</p> <p>26, 12, 12, 23, 15, 28, 15, 24</p>																					
<p>4. Standard Notation (1) Write 0.09 in standard notation</p>	<p>6. Geometry (6) Fill in the table</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Shape</th> <th>How many sides</th> <th>Angle Sum</th> </tr> </thead> <tbody> <tr> <td>Triangle</td> <td></td> <td>180°</td> </tr> <tr> <td>Quadrilateral</td> <td>4</td> <td></td> </tr> <tr> <td>Pentagon</td> <td></td> <td>540°</td> </tr> <tr> <td></td> <td>6</td> <td>720°</td> </tr> <tr> <td>Heptagon</td> <td>7</td> <td></td> </tr> <tr> <td></td> <td>8</td> <td></td> </tr> </tbody> </table>		Shape	How many sides	Angle Sum	Triangle		180°	Quadrilateral	4		Pentagon		540°		6	720°	Heptagon	7			8	
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<p>5. Index Laws (3) a) $b^7 \div b^3$</p> <p>b) $\frac{10m^4n^6}{5m^3n^2}$</p>	<p>8. Financial Arithmetic (3) What is the sale price of a pair of jeans that retails at \$135.00 but is discounted by 40%?</p>																						
<p>7. Linear Equations (4) a) Find the gradient of the line joining the points (-5, 2) and (-1, 6).</p> 	<p>9. Measurement- time (2) Find the area of this triangle.</p> 																						
<p>10. Use Substitution to evaluate these equations when x = 4 and y = 6 (6)</p> <p>a) $4x + 2y$ b) $y^2 - 4x$ c) $\frac{2y}{x}$</p>																							