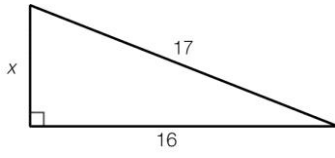
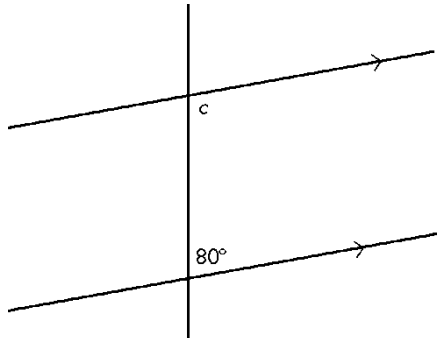


If a question has more than 1 mark, show some working out for full marks.

Due: _____

<p>1. Pythagoras' Theorem (2) Find the value of x</p> 	<p>2. Fractions (2) – show working out Subtract these fractions</p> $\frac{3}{7} - \frac{1}{4}$	<p>3. Statistics –(3) Find the mean, median and mode 26, 17, 12, 22, 15, 28, 26, 24</p>												
<p>4. Indices (3) Simplify a) $3 \times 3 \times 3$ b) $y \times x \times x \times y \times 3 \times x \times 4$ c) $(x^2)^6$</p>	<p>5. Substitution (4) Evaluate if $x = 2$ and $y = -3$</p> <p>a) xy b) $2(x + y)$</p>	<p>6. Geometry- (1) Find the values of c.</p> 												
<p>7. Measurement (2) Find the volume of a rectangular prism measuring 2m wide, 5m long and 3m deep.</p>	<p>8. Financial Arithmetic (3)</p> <p>a) 10% of \$500 b) 25% of 3000 g c) Increase 460 by 10%</p>	<p>9. Solving Equations (2)</p> <p>a) $x - 6 = 10$ b) $3x - 5 = 8$</p>												
<p>10. Algebra – substitution into a rule (6)</p> <p>Use the rule $y = 2x + 1$ to fill in the table</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 16.6%;">4</td> <td style="width: 16.6%;">-2</td> <td style="width: 16.6%;">1</td> <td style="width: 16.6%;">0</td> <td style="width: 16.6%;">-6</td> <td style="width: 16.6%;">10</td> </tr> <tr> <td style="height: 30px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			4	-2	1	0	-6	10						
4	-2	1	0	-6	10									