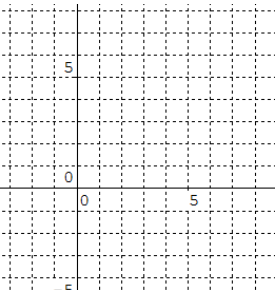
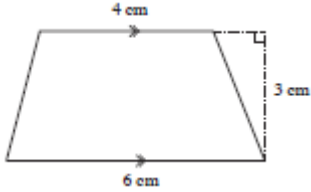


If a question has more than 1 mark, show some working out for full marks.

Due: _____

<p>1. Pythagoras' Theorem (2) Use Pythagoras' Theorem to find the distance between these two points. (1,2) and (5, 7).</p> 	<p>2. Fractions (2) a) Change to an improper fraction</p> $3\frac{2}{5}$ <p>b) Change to a proper fraction</p> $\frac{15}{4}$	<p>3. Statistics – (2) Find the median of: 12, 23, 42, 12, 18, 46, 4, 21, 18</p>												
<p>4. Standard Notation (1) Write 3.245×10^2 as a number.</p>	<p>5. Substitution (2) Evaluate if $m = 4$ and $p = \frac{1}{2}$</p> <p>a) $\frac{m}{p}$</p> <p>b) (mp)</p>	<p>6. Geometry- (2) Draw a right angled isosceles triangle.</p>												
<p>7. Measurement (2) Find the area of this trapezium.</p> $A = \frac{1}{2}(a + b) \times h$ 	<p>8. Financial Arithmetic (3)</p> <p>a) 10% of \$55</p> <p>b) 75% of 1 kg</p> <p>c) Decrease \$80 by 20%</p>	<p>9. Solving Equations (3)</p> <p>a) $2x + 3 = 11$</p> <p>b) $\frac{2x}{3} - 2 = 8$</p>												
<p>10. Algebra – substitution into a rule (7)</p> <p>Use the rule $y = -3x + 2$ to fill in the table</p> <table border="1" data-bbox="71 1877 1197 1998"> <thead> <tr> <th>-2</th> <th>-1</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td></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									