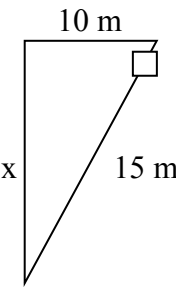
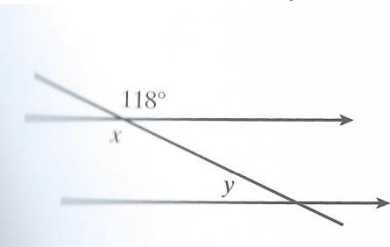
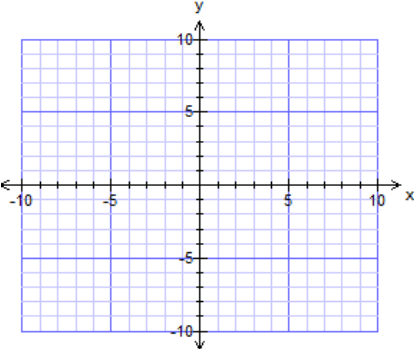


If a question has more than 1 mark, show some working out for full marks.

Due: _____

<p>1. Pythagoras' Theorem (2) Fill in the gaps to find the value of x</p>  <p> $x^2 = \underline{\hspace{2cm}} - 10^2$ $x^2 = 225 - \underline{\hspace{2cm}}$ $x^2 = \underline{\hspace{2cm}}$ $x = \sqrt{\underline{\hspace{2cm}}}$ $x = \underline{\hspace{2cm}}$ </p>	<p>2. Fractions (2) Subtract these fractions</p> $\frac{5}{7} - \frac{2}{5}$	<p>3. Statistics -(3) Here are the weights of 18 students</p> <p>43, 48, 49, 56, 71, 58, 54, 58, 62, 53, 42, 39, 51, 51, 59, 47, 42, 74.</p> <p>Complete a stem and leaf plot</p>
<p>4. Indices (3) Simplify</p> <p>a) $5 \times 5 \times 5 \times 5$</p> <p>b) $2 \times x \times x \times x \times x \times 3 \times x$</p> <p>c) $(x^3)^5$</p>	<p>5. Substitution (4) Evaluate if $x = 6$ and $y = -2$</p> <p>a) $3xy$</p> <p>b) $2x + 3y$</p>	<p>6. Geometry- (2) Find the values of x and y.</p> 
<p>7. Linear Equations (2) Sketch $y = x + 1$</p> 	<p>8. Financial Arithmetic (3)</p> <p>a) 20% of \$160</p> <p>b) 25% of 400 g</p> <p>c) Increase 240 by 10%</p>	<p>9. Measurement- time (2) What is the difference in time between 5.16 pm and 3.28 am the next day?</p>
<p>10. Solve for the unknown (4)</p> <p>a) $x - 32 = 24$ b) $\frac{f}{6} = 3$ c) $4x + 3 = 15$</p>		