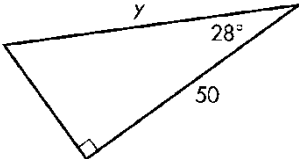
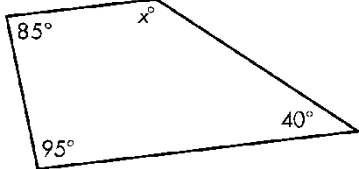
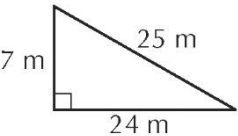


<p><b>1. Trigonometry</b> Find the value of <math>y</math> using the cosine ratio.</p> 	<p><b>2. Fractions</b> A On a number line show three fractions between <math>\frac{1}{2}</math> and 1.  b) Change these fractions to decimals</p> $\frac{7}{8}$ $\frac{2}{3}$	<p><b>3. Statistics</b> Use class intervals of 5 to express the following as a stem and leaf plot</p> <p>42, 31, 22, 21, 27, 20, 38, 27, 34, 23, 28, 12, 32, 35, 22, 23, 32, 40</p>
<p><b>4. Linear Equations</b> Solve for <math>x</math>.</p> $3x + 4 = 19$ $\frac{2x}{4} - 1 = 2$	<p><b>5. Factorise</b> (What two numbers multiply to give the end number and add/subtract to give the middle number?)</p> <p>a) <math>x^2 + 5x + 6</math>  (     )(     )</p> <p>b) <math>x^2 - 7x + 6</math>  (     )(     )</p>	<p><b>6. Geometry</b> State the value of <math>x</math>. Full marks for showing working out.</p> 
<p><b>7. Indices</b> Expand <math>c^4b^3</math>  Simplify <math>c \times c \times c \times b \times b</math></p>	<p><b>8. Financial Arithmetic</b> Joe sells vacuum cleaners to the value of \$ 4000. His commission is 12 %. How much does he make?</p>	<p><b>9. Measurement</b> Find the perimeter and area of this triangle. Correct units for full marks.</p> 
<p><b>10. Probability</b> A crate contains 12 bottles of lemonade; 4 are cola flavoured, 3 are lime, 4 are orange and 1 is raspberry.</p> <p>a) If a bottle is selected at random, what is the probability that it will be orange?</p> <p>b) What is the probability it will not be cola?</p> <p>c) What is the probability it will be either lime or orange?</p>		