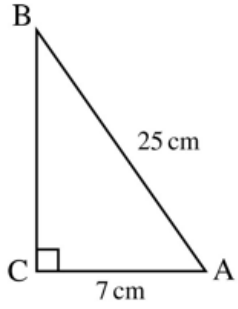
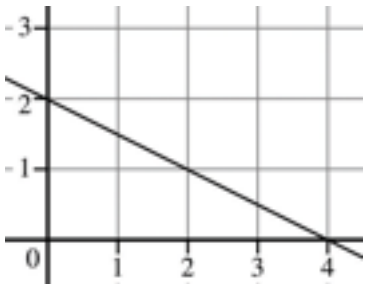


Name: _____

March 12th	5-a-day	Higher
<p>A straight line has gradient 4 and passes through (0,2).</p> <p>Write down its equation</p>		<p>A line has equation $y = 3x + 1$</p> <p>Write down the coordinates of any two points on the line.</p> <p>(..... ,) (..... ,)</p>
 <p>A right-angled triangle ABC is shown. The right angle is at vertex C. Side AC is labeled 7 cm. The hypotenuse AB is labeled 25 cm. Vertex B is at the top, C is at the bottom-left, and A is at the bottom-right.</p>		<p>Calculate angle BAC</p>
<p>Solve</p> $9x^2 + 29x - 28 = 0$		
<p>A mountain is losing 5% of its snow each year.</p> <p>What percentage of its original will be left after 10 years?</p>		
 <p>A coordinate grid with x-axis from 0 to 4 and y-axis from -3 to 0. A line is plotted passing through the points (0, -2) and (4, 0).</p>		<p>Write down the equation of a line perpendicular to this line that passes through (0,5)</p>