
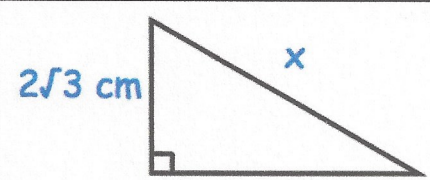
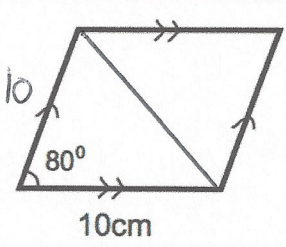


<p>30th December</p>		 Corbettmaths
<p>The square of w is 5</p> <p>Write down the value of w³</p> $w^2 = 5$ $w = \pm\sqrt{5}$	$w^3 = \pm 5\sqrt{5}$	
 $(2\sqrt{3})^2 + (5\sqrt{2})^2 = 62$	<p>Find x</p> $\sqrt{62} \text{ cm}$	
<p>Shown is a rhombus</p> <p>Calculate its area</p> $\frac{1}{2} \times 10 \times 10 \times \sin 80^\circ$ $= 49.24$ 98.48 cm^2		
<p>Solve</p> $\frac{11}{(x-1)(x+4)} + \frac{5}{x-1} = 1$ $\frac{11}{(x-1)(x+4)} + \frac{5(x+4)}{(x-1)(x+4)} = 1$	$11 + 5(x+4) = (x-1)(x+4)$ $5x + 31 = x^2 + 3x - 4$ $0 = x^2 - 2x - 35$ $(x-7)(x+5)$ $x = 7 \text{ or } x = -5$	
<p>Find, in terms of k, the 20th term of the arithmetic sequence</p> <p>(5k - 3), (8k + 1), (11k + 5),</p>	$\begin{matrix} 5k & 8k & 11k \\ 3k & 3k & \end{matrix} \quad \begin{matrix} 3k + 2k \\ 4k - 7 \end{matrix}$ $-3 \quad 1 \quad 5$ $n = 20$ $62k + 73$	