
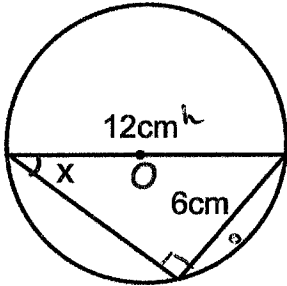


18th January	
<p>Simplify</p> $(2xy^3)^3$ $(2xy^3) \times (2xy^3) \times (2xy^3)$	<p style="text-align: right;"> Corbettmaths</p> $= \underline{\underline{8x^3y^9}}$
<p>Solve, giving your answers to one decimal place.</p> $3x^2 = 10 - 2x$ $3x^2 + 2x - 10 = 0$ <p style="text-align: center;">a            b            c</p>	$\frac{-2 \pm \sqrt{2^2 - 4 \times 3 \times -10}}{2 \times 3}$ $= \frac{-2 \pm \sqrt{4 - 120}}{6}$ $= \frac{-2 \pm \sqrt{124}}{6}$ <p style="text-align: right;">+ → 2.19 1.52 - → -2.19</p>
<p>Work out</p> $25^0 = 1$	
	<p>Find <math>x</math></p> $\sin x = \frac{6}{12} = \frac{1}{2}$ $\therefore \underline{\underline{x = 30}}$
<p>Write 0.311111... as a fraction</p> $x = 0.3111\dots$ $100x = 31.1111\dots$ $10x = 3.1111$ $90x = 28$ $x = \frac{28}{90} = \frac{14}{45}$	