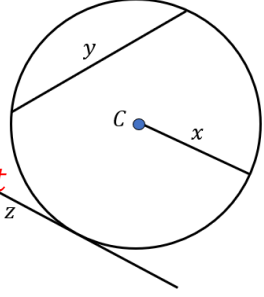
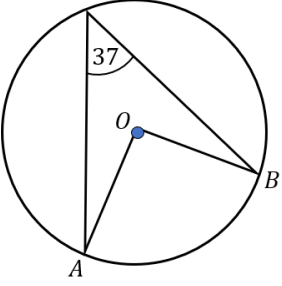
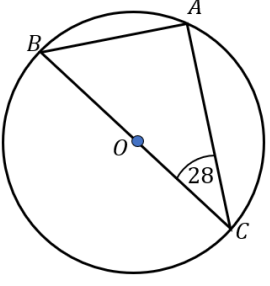
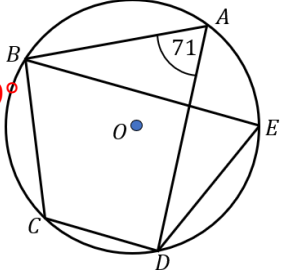
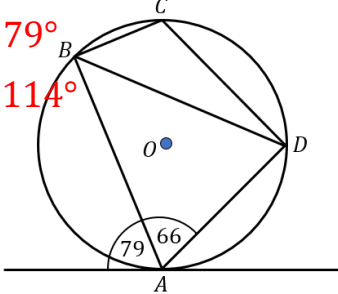
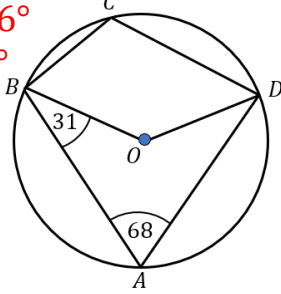
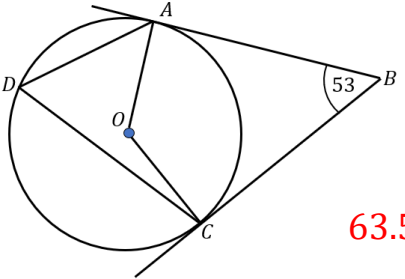
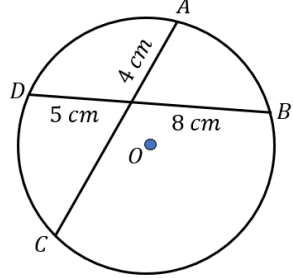
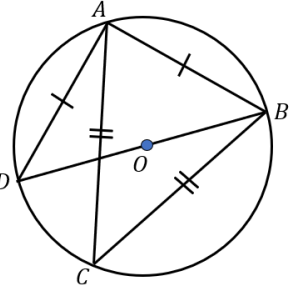
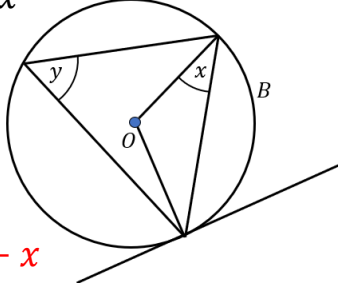
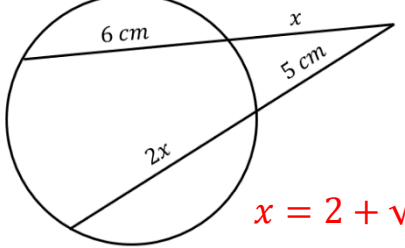
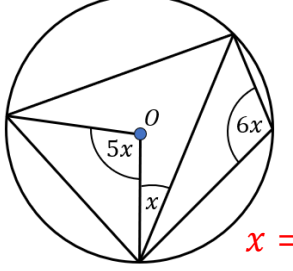


## Circle Theorems Revision

Circle Theorems Revision			
(a)	(b)	(c)	(d)
<p>Write down the names of lines <math>x</math>, <math>y</math> and <math>z</math>.</p> <p><math>x = \text{radius}</math>  <math>y = \text{chord}</math>  <math>z = \text{tangent}</math></p> 	<p>Find the size of angle AOB.</p>  <p style="text-align: right;"><b><math>74^\circ</math></b></p>	<p>Find the size of angle ABC.</p>  <p style="text-align: right;"><b><math>62^\circ</math></b></p>	<p>Find the size of angles BED and BCD.</p> <p><b><math>BED = 71^\circ</math></b>  <b><math>BCD = 109^\circ</math></b></p> 
(e)	(f)	(g)	(h)
<p>Find the size of angles ADB and BCD.</p> <p><b><math>ADB = 79^\circ</math></b>  <b><math>BCD = 114^\circ</math></b></p> 	<p>Find the size of angles BOD and ADO.</p> <p><b><math>BOD = 136^\circ</math></b>  <b><math>ADO = 37^\circ</math></b></p> 	<p>AB and BC are tangents. Find the size of angle ADC.</p>  <p style="text-align: right;"><b><math>63.5^\circ</math></b></p>	<p>Find the length of AC.</p>  <p style="text-align: right;"><b><math>14 \text{ cm}</math></b></p>
(i)	(j)	(k)	(l)
<p>Find the size of angle BAC.</p>  <p style="text-align: right;"><b><math>67.5^\circ</math></b></p>	<p>Find an expression for <math>y</math> in terms of <math>x</math>.</p>  <p><b><math>y = 90 - x</math></b></p>	<p>Find the value of <math>x</math>, giving your answer as a simplified surd.</p>  <p style="text-align: right;"><b><math>x = 2 + \sqrt{29}</math></b></p>	<p>Find the value of <math>x</math>.</p>  <p style="text-align: right;"><b><math>x = 18^\circ</math></b></p>