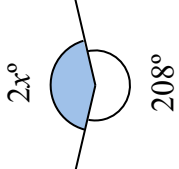
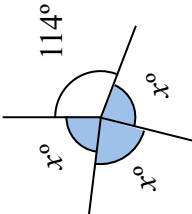
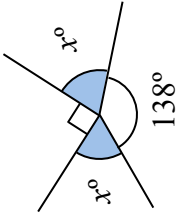
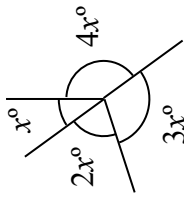
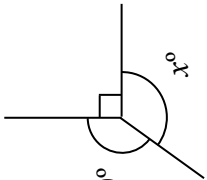
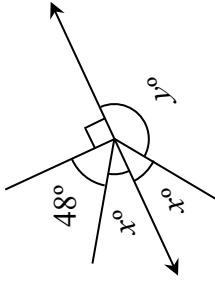
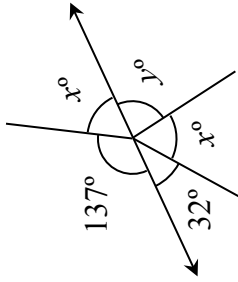
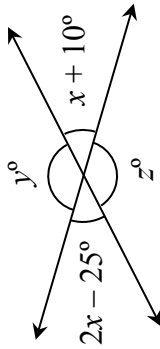
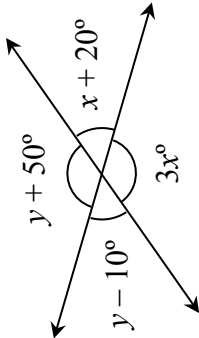
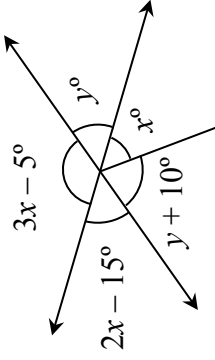




ANGLE ANGLES AROUND A POINT

NO PROTRACTOR

Ref: G421. 2E1

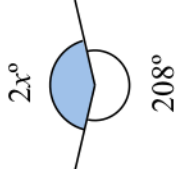
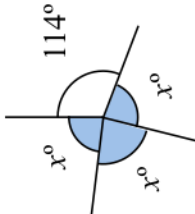
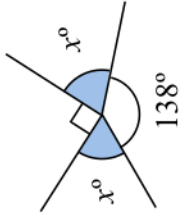
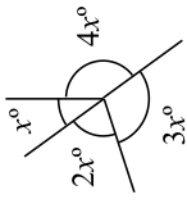
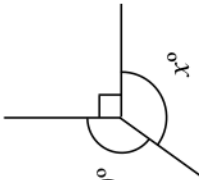
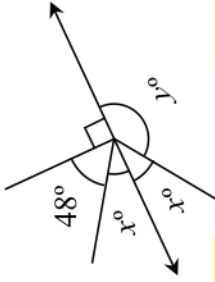
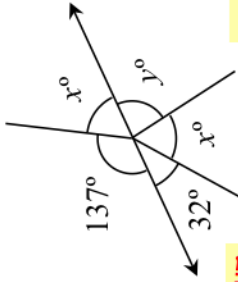
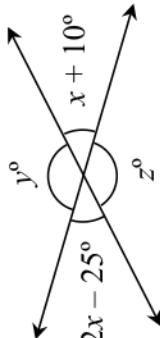
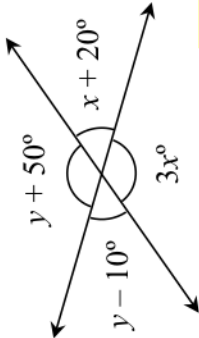
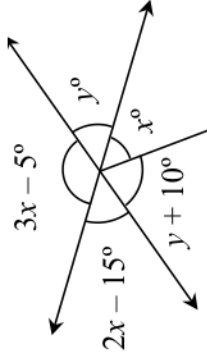
<p>A1 Find the value of x</p> 	<p>A2 Find the value of x</p> 	<p>A3 Find the value of x</p> 	<p>A4 Find the size of each of the four angles</p> 
<p>B1 Find the value of x</p> 	<p>B2 Three angles fit exactly around a point. The second angle is 20° more than the first angle. The third angle is twice the size of the second angle. Find the size of each of the three angles.</p>	<p>B3 Find the values of x and y</p> 	<p>B4 Find the values of x and y</p> 
<p>C1 Three angles fit exactly around a point. Two of the angles are equal. The difference between the largest and smallest angle is 30° Find the size of each of the three angles.</p>	<p>C2 Find the values of x, y and z</p> 	<p>C3 Find the values of x and y</p> 	<p>C4 Find the values of x, y and z</p> 



ANGLE ANGLES AROUND A POINT

NO PROTRACTOR

Ref: G421. 2E1

<p>A1 Find the value of x</p>  <p>$2x = 152$</p> <p>$x = 76$</p>	<p>A2 Find the value of x</p>  <p>$3x = 246$</p> <p>$x = 82$</p>	<p>A3 Find the value of x</p>  <p>$2x = 132$</p> <p>$x = 66$</p>	<p>A4 Find the size of each of the four angles</p> <p>$10x = 360 \Rightarrow x = 36^\circ$</p>  <p>$36^\circ, 72^\circ, 108^\circ$ and 144°</p>
<p>B1 Find the value of x</p>  <p>$2x + 20 = 270$</p> <p>$x = 125$</p>	<p>B2 Three angles fit exactly around a point.</p> <p>$x + (x + 20) + (2x + 40) = 360$</p> <p>$4x + 60 = 360$</p> <p>$x = 75$</p> <p>$75^\circ, 95^\circ$ and 190°</p>	<p>B3 Find the values of x and y</p>  <p>$x = 42$</p> <p>$y = 138$</p>	<p>B4 Find the values of x and y</p>  <p>$x = 43$</p> <p>$y = 105$</p>
<p>C1 Three angles fit exactly around a point.</p> <p>If smallest angles are equal:</p> <p>$x + x + (x + 30) = 360$</p> <p>$3x + 30 = 360$</p> <p>$x = 110$</p> <p>$\Rightarrow x + 30 = 140^\circ$</p>	<p>C2 Find the values of x, y and z</p> <p>$2x - 25 = x + 10$</p>  <p>$x = 35$</p> <p>$y = z = 135$</p>	<p>C3 Find the values of x and y</p> <p>$(y - 10) + (y + 50) = 180$</p>  <p>$y = 70$</p> <p>$x = 40$</p>	<p>C4 Find the values of x, y and z</p> <p>$(2x - 15) + (3x - 5) = 180$</p>  <p>$x = 40$</p> <p>$y = 2(40) - 15 = 65$</p>