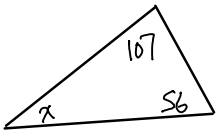
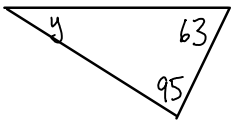
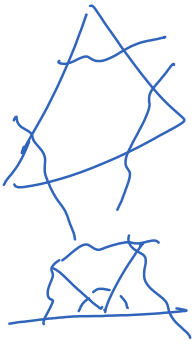
The angle sum of a triangle is 180°



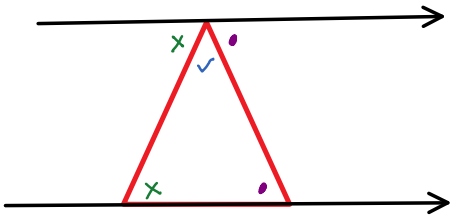
$x =$ 17°



$y =$ 22°



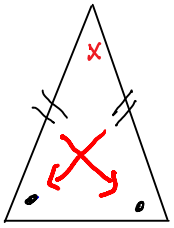
Proof: Triangle angle sum is 180

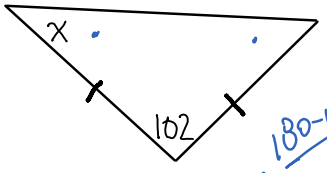


$x + \checkmark + \bullet = 180°$

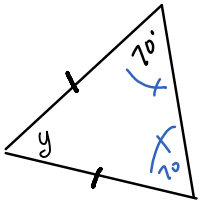
QED

Isosceles triangles have two equal sides and two equal angles



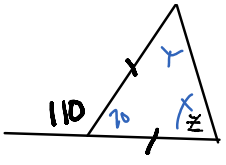


$x = \frac{180-102}{2}$ $x = 39°$

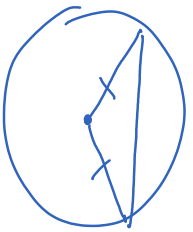


$180-(2\times70)$

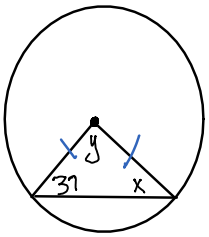
$y =$ 40°



$z = \frac{180-70}{2}$ $z =$ 55°

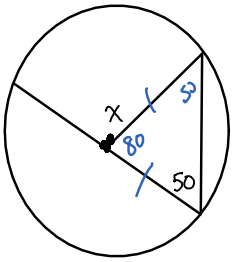


Since the radii of a circle are equal, triangles with 2 radii for sides are isosceles.



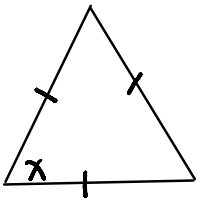
$x = 37^\circ$

$y = 106^\circ$

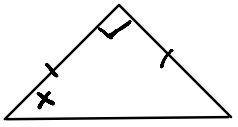


$x = 100^\circ$

Equilateral triangles have three equal sides and three equal angles



$x = 60^\circ$



$x = 45^\circ$

Assign: pages ⑥, ⑦, ⑧