Proof $YA = Y$ $\times$ [every point on per. bis. of a line segment is equidistant from its end points]

$ZB = XZ$

$AB = 11\text{ cm}$

$AY + YZ + ZB = 11\text{ cm}$

$XY + YZ + ZX = 11\text{ cm}$

In $\triangle YAX$

$YA = YX$

$\angle 2 = \angle 1 = 15^\circ$ (isosceles $\triangle$ property)

$\angle 3 = \angle 1 + \angle 2 = 15 + 15 = 30^\circ$ (exterior angle property of $\triangle$)