

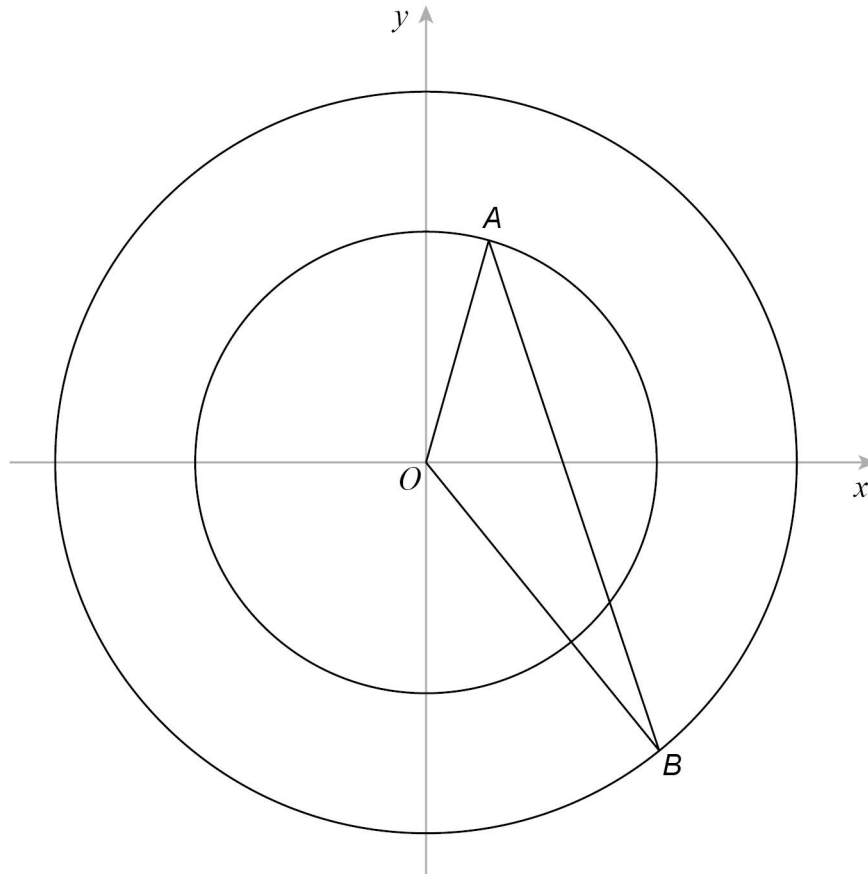
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In this question, all lengths are in centimetres.

$A$  is a point on a circle, centre  $O$ .

$B$  is a point on a different circle, centre  $O$ .

$AB = 20$



The equation of the larger circle is  $x^2 + y^2 = 144$

radius of smaller circle : radius of larger circle = 4 : 5



