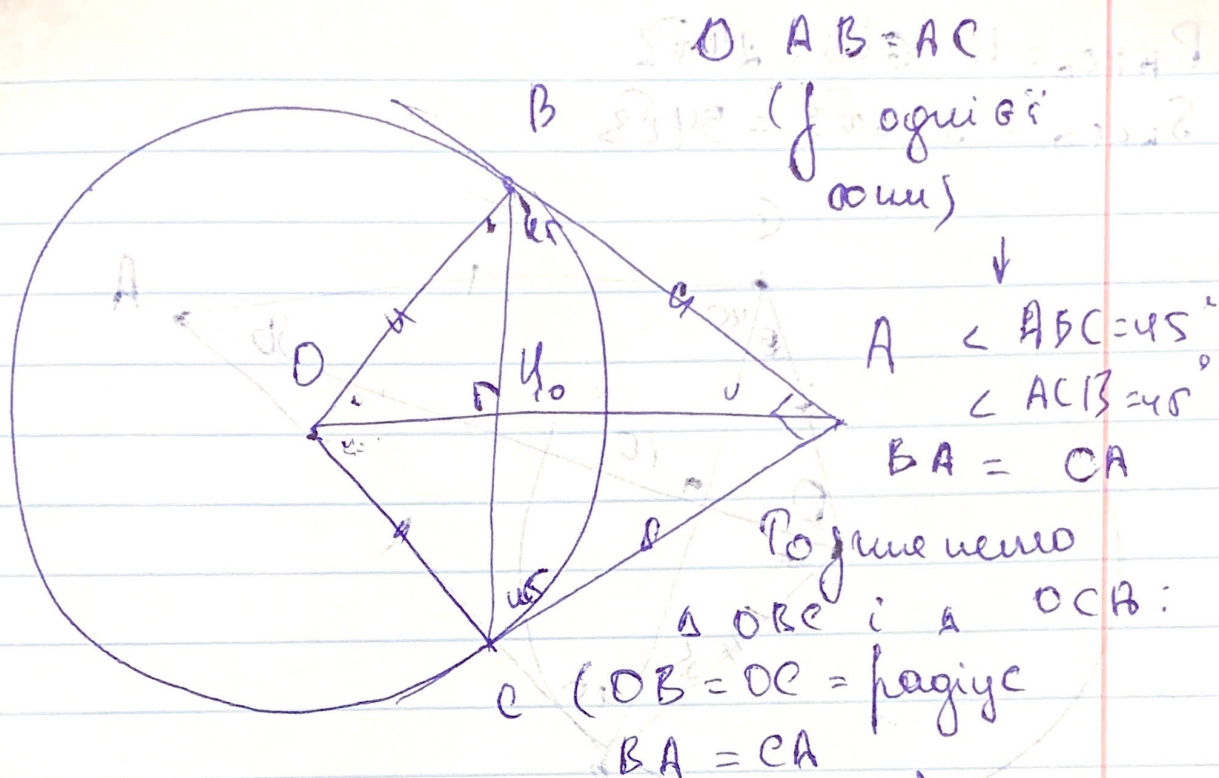




$AO - \text{диаметр}$   $\angle A = 90^\circ$



$BC \perp OA$

②  $OC \perp AC$  (гипотенуза)  $\Rightarrow \angle OCB = \angle OBC = 45^\circ$   
 $OB \parallel AB$



$\triangle OBA$  ;  $\angle OBA = \angle BAO = 45^\circ$  ;  $BA \perp OA$



$OB = AB$

$\triangle OBA$  ;  $\angle B = 90^\circ$  ;  $OB = AB$  ;  $OA = 10$   
 теорема Пифагора:

$$x^2 + x^2 = 10^2$$

$$100 = 2x^2$$

$$x^2 = 50 \quad x = 5\sqrt{2}$$

$$AB = AC = 5\sqrt{2}$$