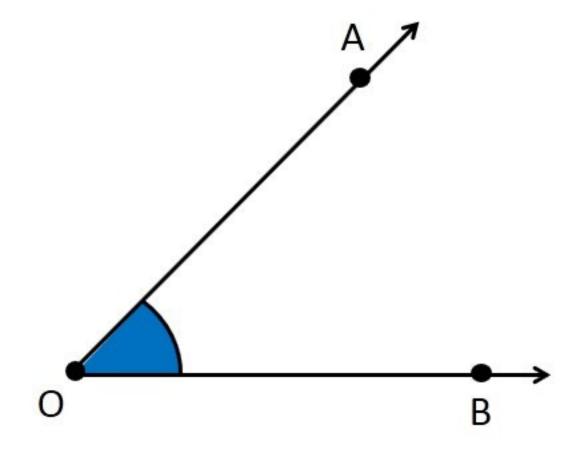
Draw any angle with vertex O. Take a point A on one of its arms and B on another such that OA = OB. Draw the perpendicular bisectors of \overline{OA} and \overline{OB} . Let them meet at P. Is PA = PB

Let us consider an angle with vertex O



and points A & B such that

$$OA = OB$$