

(a) $2\sqrt{b^2 - a^2}$ (b) $2\sqrt{a^2 - b^2}$ (c) Can't be determine (d) None of these

<u>Ans. (b)</u>

Q.No. 4 If the Fig 2 AB is the diameter of a circle with centre O and AT is a tangent. If find $\angle AOQ = 58^\circ$, find $\angle ATQ$.



<u>Ans. (d)</u>

Q.No	5. 8 The tangent at	a point C of a circle a	and a diameter AB w	hen extended intersect at	
P. II	\angle PCA = 100°, then	$\Delta = 100 \times 100$	(-)		
	(a) /0°	$(b) / 5^{\circ}$	(c) 80°	(d) None	
				<u>Ans. (</u>	<u>.</u>
Q.No. 9 Find the radius of the circle whose circumference is equal to the sum of circumferences of the two circles of diameter 30 cm and 24 cm.					
	(a) 27cm	(b)26cm	(c) 25cm	(d) 24 cm	
				<u>Ans. (a</u>)
Q.No. 10 In figure, BOA is a diameter of the circle and the tangent at a point P meets BA extended at T. If \angle PBO = 35°, then find \angle PTA.					
	P				
	B O A	T			
) *	
	$(a) 30^{\circ}$	(h) 55°	(c) 20°	(d) None	
	(u) 50	(6)33	(0) 20	Ans. (:)
					-
Q.No. 11 The radii of two circles are 3 cm and 4 cm. Find the radius of the circle whose area is equal to the sum of areas of two circles					
equi	(a)r = 7cm	(b) $r = 5cm$	(c)r = 6 cm	(d)r = 1 cm	
				<u>Ans. (b</u>)
Q.No. 12 In figure PQL and PRM are tangents to the circle with center O at the points P and R respectively and S is a point on the circle such that \angle SQL = 40° and \angle SRM = 70°.					
Then find \angle OSR.					
	400 0				
		P			
	M	R			
			<pre></pre>		
	(a) 70°	(b)80°	(c) 50°	(d) 20°	
	(a) 70°	(b)80°	(c) 50°	(d) 20° <u>Ans. (a</u>	ŋ

Q.No. 13 ABCD is a quadrilateral such that $\angle D = 90$. A circle C (0, *r*) touches the sides AB, BC, CD and DA at P, Q, R and S respectively. If BC = 38 cm, CD = 25 cm and BP = 27 cm, then find *r*.



Q.No. 14 In figure, ABC is a right angled triangle with AB = 6 cm and AC = 8 cm. A circle with centre 0 has been inscribed inside the triangle. Calculate the value of r, the radius of the inscribed circle.



(c) 50°

(d) 75°

Q.No. 17 In figure, O is the centre of the circle and TP is the tangent to the circle from an external Point T. If <PBT = 30° , Find BA:AT

(b) 45°

Q

(a) 30°

<u>Ans. (a)</u>

