1) In triangle ABC, angle BCA = 40°. If point D is on the circumference of the circle passing through
points A, B, and C, find the measure of angle ADC. (2 marks)
Answer:
2) Given that angle ACD = 80° and angle BAC = 30°, determine the size of angle BCD in triangle
BCD. (3 marks)
Answer:
3) In a circle with points A, B, C, and D on its circumference, angle ADB = 120°. If angle BAC = 50°,
calculate the measurement of angle BDC. (4 marks)

Answer:
4) Triangle ABC is inscribed in a circle, where angle CAB = 25°. If angle DAB = 75°, find the size of angle ACB. (2 marks)
Answer:
5) In a cyclic quadrilateral ABCD, angle ADB = 65° and angle BCD = 75°. Determine the measure of angle BAD. (3 marks)
Answer:

6) Given that angle BCA = 60° and angle ACD = 120°, find the measure of angle CBD in triangle
BCD. (4 marks)
Answer:
7) Triangle ABC is inscribed in a circle, where angle BAC = 70°. If angle BDC = 45°, calculate the
measurement of angle ACB. (2 marks)
Answer:
8) A, B, C, and D are points on the circumference of a circle. If angle BAC = 80° and angle ABD =
100°, what is the measure of angle ACD? (3 marks)

Answer:	
9) In a cyclic quadrilateral ABCD, angle CAB angle BCD. (4 marks)	= 70° and angle ADB = 110°. Determine the size of
Answer:	
10) Given that angle BCA = 55° and angle A0	CD = 85°, calculate the measurement of angle BDA ir
triangle BDA. (3 marks)	
Mark Scheme:	
1) 20°	
2) 130°	
3) 40°	
4) 130°	
5) 70°	

6) 60°		
7) 125°		
8) 60°		
9) 80°		
10) 40°		
Answer:		