Practice worksheet | Geometry and proof

Angles at the centre and circumference

Name: _____ Date: _____

6 questions | 13 marks

1. Minor central angle AOB is 84°. C lies on the major arc AB. Find ∠ACB. [2 marks]

2. ∠ACB=37° subtends minor arc AB. Find the corresponding minor central angle. [2 marks]

3. Minor central angle AOB is 120°. D lies on the minor arc AB. Find ∠ADB. [2 marks]

4. C and D lie on the same arc of chord AB. ∠ACB=46°. Find ∠ADB. [2 marks]

5. AB is a diameter of a circle and C is another point on the circle. ∠CAB=32°. Find ∠ABC. [2 marks]

6. An inscribed angle subtends a chord and is 90°. Explain why the chord is a diameter. [3 marks]