## Circles Worksheet 2 - Answer

- 1. What is the measure of a central angle with an arc measure of  $45^{\circ}$ ?  $45^{\circ}$
- 6. What is the measure of an inscribed angle with an arc measurement of 180°? 90°
- 2. What is the measure of an inscribed angle with an arc measurement of  $150^{\circ}$ ?  $75^{\circ}$
- 7. A circumscribed angle intercepts an arc of 72°. What is the measure of the angle?

  108°
- 3. What is the measure of an inscribed angle with an arc measurement of 70°?
  35°
- 8. What is the measure of an inscribed angle with an arc measurement of 120°? 60°
- 4. What is the measure of the arc with an inscribed angle is 18°?
  36°
- 9. What is the measure of a circumscribed angle formed by two tangents that are perpendicular to one another? 90°
- 5. What is the measure of an angle inscribed on a diameter?  $90^{\circ}$
- 10. What is the measure of the angle formed between a tangent and the diameter of a circle?
  90°

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