

## Circles Worksheet 2 - Answer

1. What is the measure of a central angle with an arc measure of  $45^\circ$ ?  
 $45^\circ$
2. What is the measure of an inscribed angle with an arc measurement of  $150^\circ$ ?  
 $75^\circ$
3. What is the measure of an inscribed angle with an arc measurement of  $70^\circ$ ?  
 $35^\circ$
4. What is the measure of the arc with an inscribed angle is  $18^\circ$ ?  
 $36^\circ$
5. What is the measure of an angle inscribed on a diameter?  
 $90^\circ$
6. What is the measure of an inscribed angle with an arc measurement of  $180^\circ$ ?  
 $90^\circ$
7. A circumscribed angle intercepts an arc of  $72^\circ$ . What is the measure of the angle?  
 $108^\circ$
8. What is the measure of an inscribed angle with an arc measurement of  $120^\circ$ ?  
 $60^\circ$
9. What is the measure of a circumscribed angle formed by two tangents that are perpendicular to one another?  
 $90^\circ$
10. What is the measure of the angle formed between a tangent and the diameter of a circle?  
 $90^\circ$