## 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 $180^{\circ}$ ? $90^{\circ}$
3. A circumscribed angle intercepts an arc of $72^{\circ}$. What is the measure of the angle? $108^{\circ}$
4. What is the measure of an inscribed angle with an arc measurement of $70^{\circ}$ ? $35^{\circ}$
5. What is the measure of an inscribed angle with an arc measurement of $120^{\circ}$ ? $60^{\circ}$
6. What is the measure of a circumscribed angle formed by two tangents that are perpendicular to one another? $90^{\circ}$
7. What is the measure of the angle formed between a tangent and the diameter of a circle?
$90^{\circ}$
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