**CCHS Mathematics II**

**Circles from a Geometric Perspective**

**Module 7 - Assessment Study Guide**

Define the following Mathematical Terms

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| --- | --- | --- | --- |
| Coordinates | Scale Factor | Dilation | Pre-image |
| Rotation | Degrees | Center of rotation | Reflection |
| Hexagon | Dilation | Radius | Diameter |
| Perimeter | Area | Shaded Region | Compass |
| Center | Arc | Radian |  |
|  |  |  |  |
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Review: <http://www.regentsprep.org/regents/math/algtrig/atm1/arclengthlesson.htm>



Understand the following Tasks

1. Find the radius, area, and perimeter of the circle.
2. Convert radians to degrees.
3. Convert degrees to radians.
4. Find the area of a polygon (hexagon).
5. Find the area of a shaded region.
6. Find the arc length in cm & radians.
7. Describe the difference and similarity between degrees and radians.