## **Geometry Core Concept Cheat Sheet**



- The ability to accurately measure using a ruler, compass, • Radius: a segment whose endpoints are the center of a and protractor. circle and a point on that circle.
- Ray: part of a line starting at a point and extending infinitely in one direction.
- Right triangle: a triangle with a right angle.
- Segment: part of a line consisting of two endpoints and all the points between them.
- Similar triangles: triangles that have congruent corresponding angles and the measures of corresponding sides are proportional.



- Transformation: a point by point mapping of a figure in a plane.
- Triangle: a polygon with three sides.
- Trigonometric ratio: a ratio of lengths of sides of a right triangle.

- The ability to construct geometric figures using a ruler, compass, and protractor. • Understand the vocabulary, theorems, and postulates
- presented in the course.

## To help while studying geometry:

- Create vocabulary flash cards that include a drawing along with the definition.
- Verbalize each definition and property.
- Study your notes and graded assignments. Redo any • problems marked wrong.
- Find a study buddy or group.

## Keep the following in mind while preparing for an exam:

- Practice problems with radicals and perfect squares.
- All lines are straight unless otherwise stated.
- Apply what you know about shapes and not what you see in a diagram.
- If you can find the value for any one of the following in a circle, you can find the rest: radius, diameter, area, and circumference.

How to Use This Cheat Sheet: These are the keys related this topic. Try to read through it carefully twice then recite it out on a blank sheet of paper. Review it again before the exams.