Name: _____ # _____

Geometry: Period _____
Ms. Pierre
Date: _____

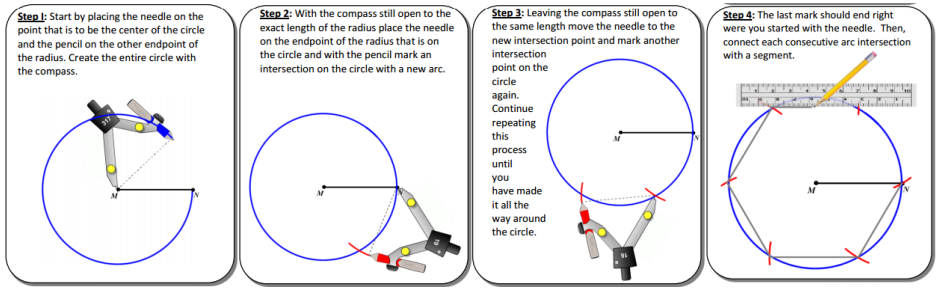
Constructions of Polygons

Today's Objective

SWBAT construct an equilateral triangle, a square and a regular hexagon, each inscribed in a circle.

Example 1

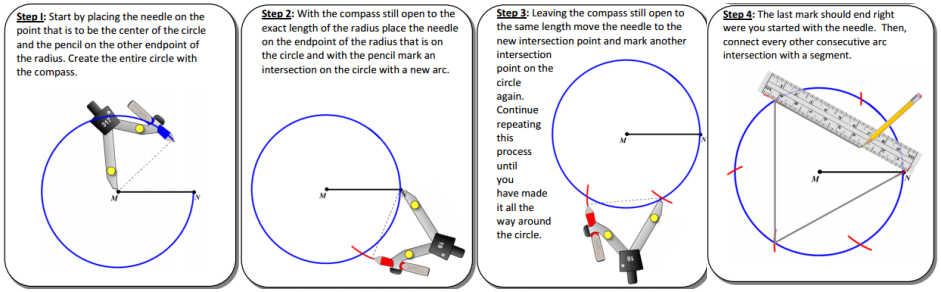
Hexagon Inscribed in a Circle



A B

Example 2

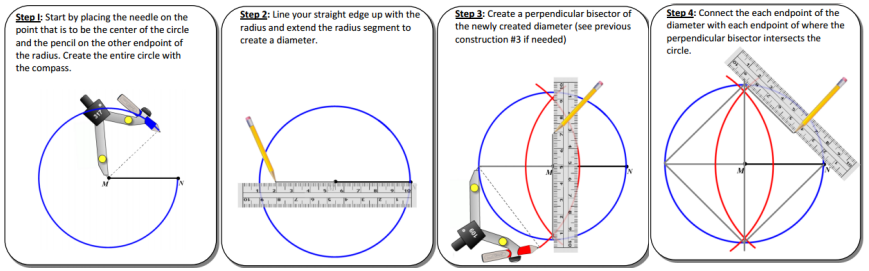
Triangle Inscribed in a Circle



A B

Example 3

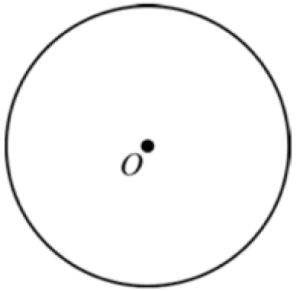
Square Inscribed in a Circle



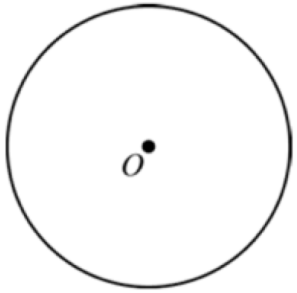
A B

Guided Practice

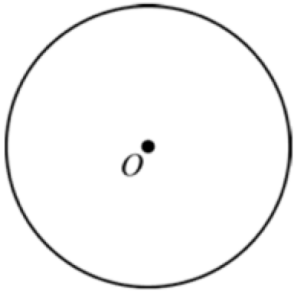
1. Construct a regular hexagon ABCDEF inscribed in circle O.



2. Construct equilateral ΔABC inscribed in circle O.

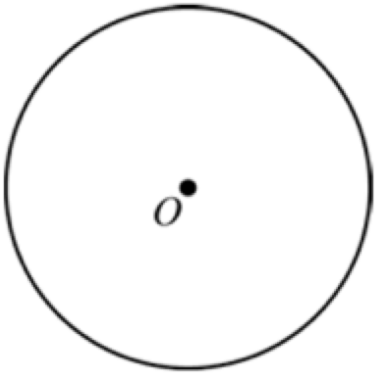


3. Construct square ABCD inscribed in circle O.

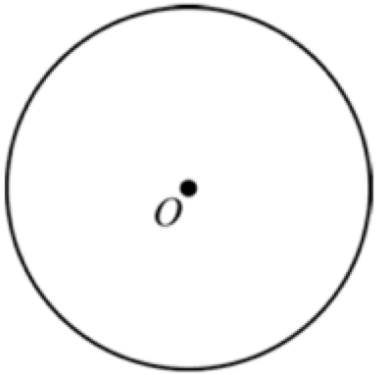


Independent Practice

1. Construct a regular hexagon ABCDEF inscribed in circle O.



2. Construct equilateral ΔABC inscribed in circle O.



3. Construct square ABCD inscribed in circle O.