Inscribed Regular Polygons

Today's Standard

HSG.CO.D13 - Construct an equilateral triangle, a square, and a regular hexagon inscribed in a circle.

Cues	Notes
Equilateral Triangle	An equilateral triangle has all sides and angles equal.
Square	A square has four equal sides and four right angles.
Regular Hexagon	A regular hexagon has six equal sides and angles.
Inscribed	Inscribed means that all vertices of the polygon lie on the circumference of the circle.
Congruence	Congruence refers to figures that have the same size and shape.

Summary

Constructing inscribed regular polygons involves creating equilateral triangles, squares, and hexagons where all vertices touch the circle's circumference. Understanding congruence is key to mastering these constructions.