

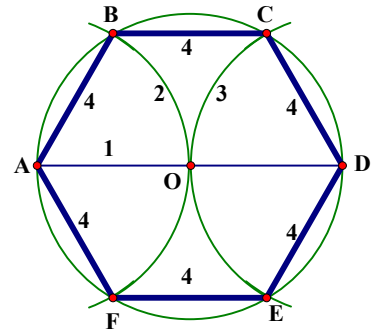
Construct a regular hexagon inscribed in a circle.

Created by Mr. Francis Hung on 20220623. Last updated: 23/06/2022

Given a circle with centre at O . To construct a regular hexagon inscribed in the circle.

Construction steps:

- (1) Construct the diameter AOD .
- (2) Draw an arc $\odot(A, AO)$, cutting the circle at B and F as shown.
- (3) Draw an arc $\odot(D, DO)$, cutting the circle at C and E as shown.
- (4) Join AB, BC, CD, DE, EF and FA .



$ABCDEF$ is the required regular hexagon. Proof omitted.