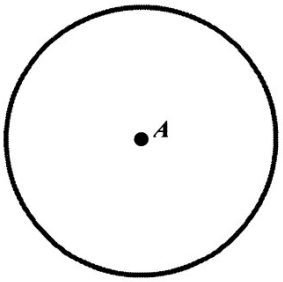
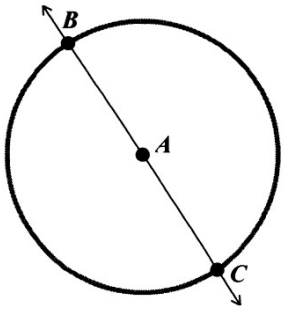
1. The construction of an inscribed equilateral.

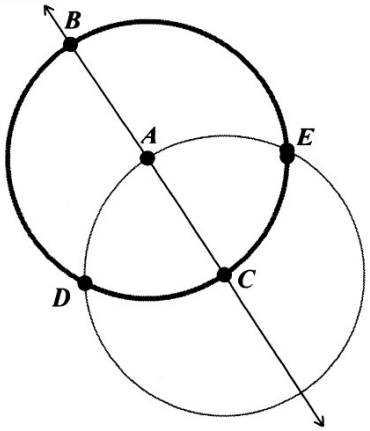
(A) Given Circle A



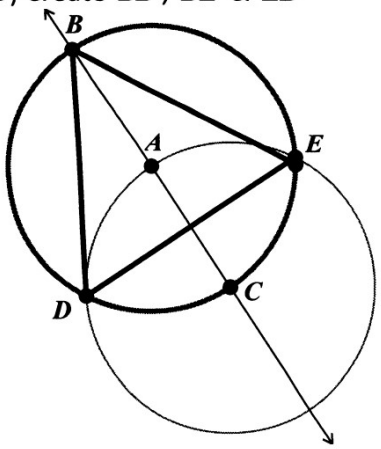
(B) Create a diameter $\overline{BC}$



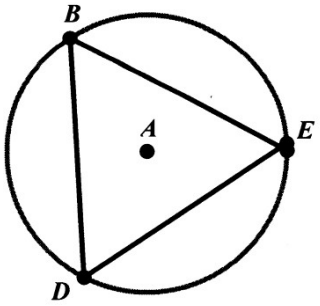
(C) Create a circle at C with radius $\overline{AC}$. Label the two intersections D and E.



(D) Create $\overline{BD}$, $\overline{BE}$ & $\overline{ED}$

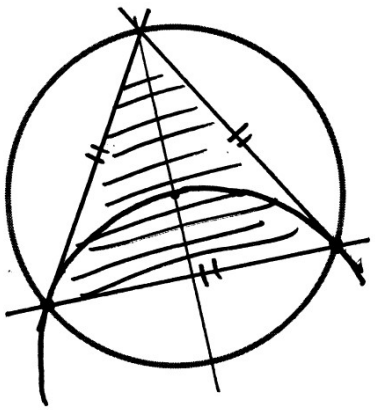


(E) The inscribed Equilateral



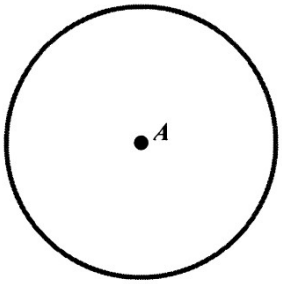
NYTS (Now You Try Some)

Construct an inscribed Equilateral.

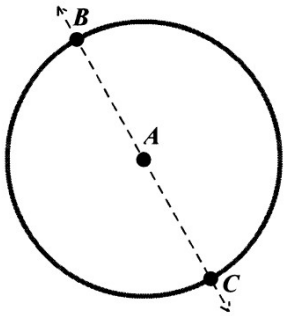


2. The construction of an inscribed square.

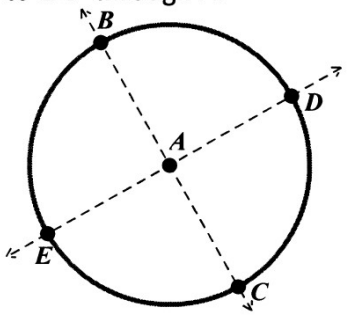
(A) Given Circle A



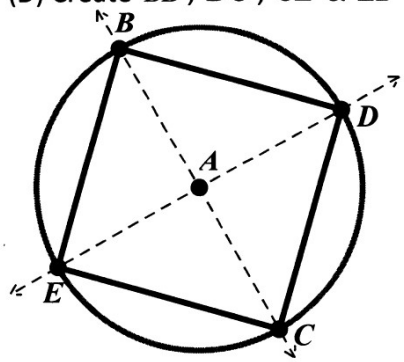
(B) Create a diameter $\overline{BC}$



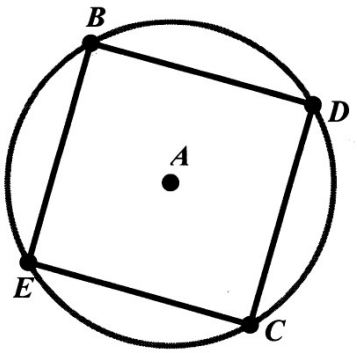
(C) Construct a perpendicular line to $\overline{BC}$ through A.



(D) Create $\overline{BD}$, $\overline{DC}$, $\overline{CE}$ & $\overline{EB}$

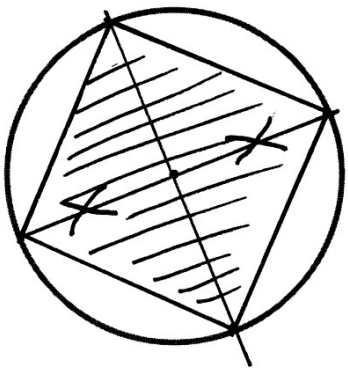


(E) The inscribed Square



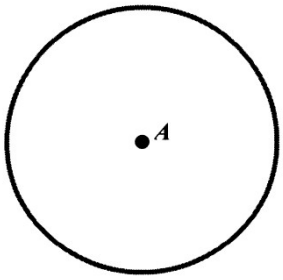
NYTS (Now You Try Some)

Construct an inscribed Square.

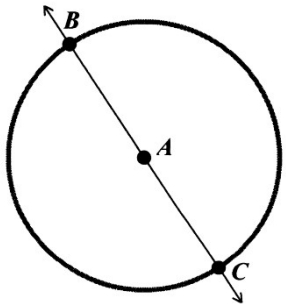


3. The construction of an inscribed hexagon.

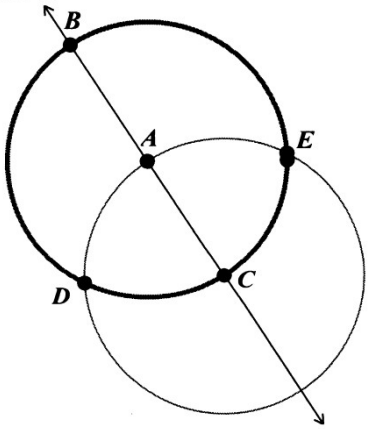
(A) Given Circle A



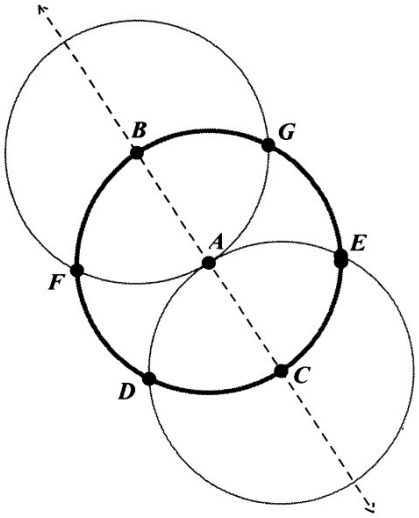
(B) Create a diameter $\overline{BC}$



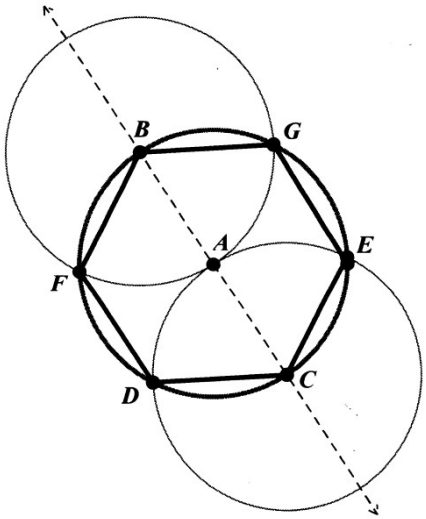
(C) Create a circle at C with radius $\overline{AC}$. Label the two intersections D and E.



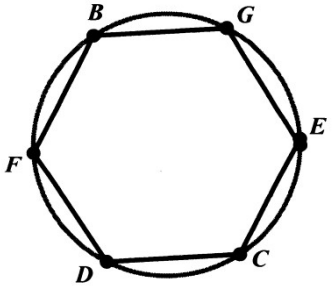
(D) Create a circle at B with radius $\overline{BA}$. Label the two intersections F and G.



(E) Create $\overline{CD}$, $\overline{DF}$, $\overline{FB}$, $\overline{BG}$, $\overline{GE}$ & $\overline{EC}$



(F) The inscribed Hexagon



NYTS (Now You Try Some)

Construct an inscribed Hexagon.