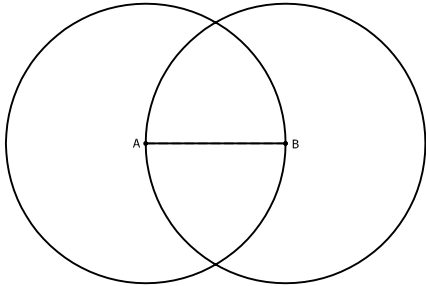C

D   A   B   E

Euclid's Elements Book 1 Prop 1
To construct an equilateral triangle on a given finite
straight line A-B.

Pentagon
Construction Based
Euclid's Elements Book 1 Prop 1

Draw Circle thru point H with radius AB
Draw Circle thru point I with radius AB
Draw lines AH, HP, PI and IB to complete
Pentagon.

Draw Circle thru point C with radius AB
Draw line CD
Draw line FI thru point E
Draw line GH thru point E

Draw Circles with center points A and B with
radius AB

A   B

H   D   I

A   E   B

F   C   G

P

H   D   I

A   E   B

F   C   G