

Chapter 10: Special SOL Topics

Lesson 10-1: Constructions

Homework

Name _____

date _____

period _____

Directions: Using a compass and a straight edge, complete each of the following.

1. Construct a line through a given point, parallel to a given line.

A

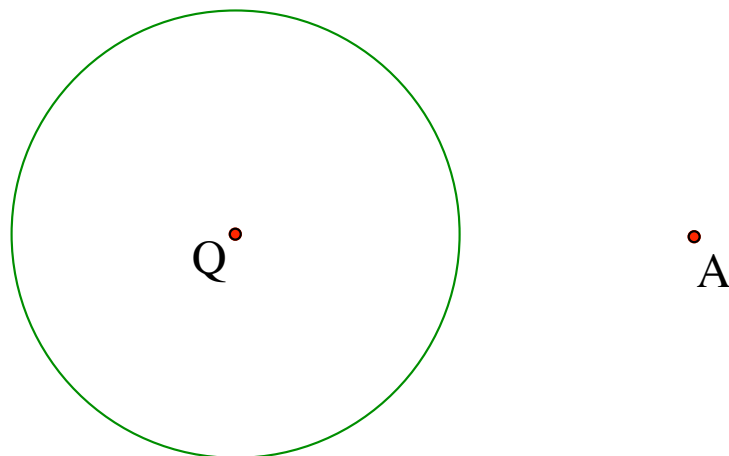


2. Construct an equilateral triangle, or construct a 60° angle.

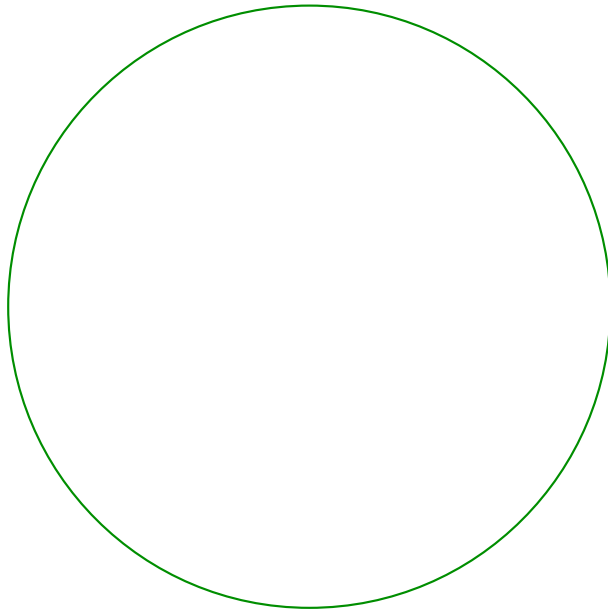
3. Divide a line segment into 5 congruent line segments.



4. Construct a line through a given point, tangent to a given circle.



5. Construct the center point of a given circle.



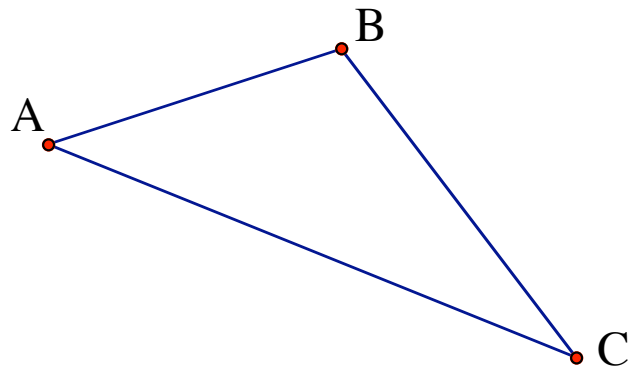
6. Construct a circle through three given points.

A •

• C

• B

7. Circumscribe a circle about a given triangle.



8. Inscribe a circle in a given triangle.

