

Congruence Worksheet 2

1. Given a line segment \overline{AB} , what is the first step in constructing an equilateral triangle $\triangle ABC$?
2. What would be the next step in constructing the equilateral triangle $\triangle ABC$?
3. What is the final step of constructing the equilateral triangle $\triangle ABC$?
4. How would you construct an equilateral triangle inscribed in a circle?
5. Given two perpendicular and congruent sides, how would you construct a square?
6. Given only a line segment, how would you construct a square?
7. How would you construct a square inscribed in a circle?
8. How would you construct a square given a line segment that must be the diagonal of the square?
9. How would you construct a regular hexagon inscribed within a circle?
10. How would you construct a regular hexagon given one of the side lengths?