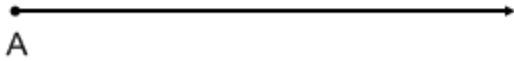
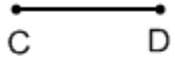
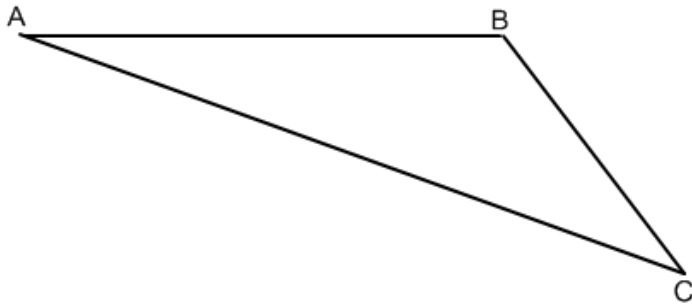


Quiz 1.1 – Study Guide

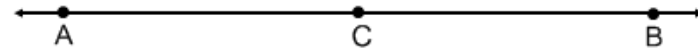
1. Using point A as an endpoint, construct a line segment \overline{AB} whose length is twice the length of \overline{CD} .



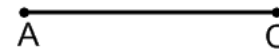
2. Construct a median from angle B to side \overline{AC} .



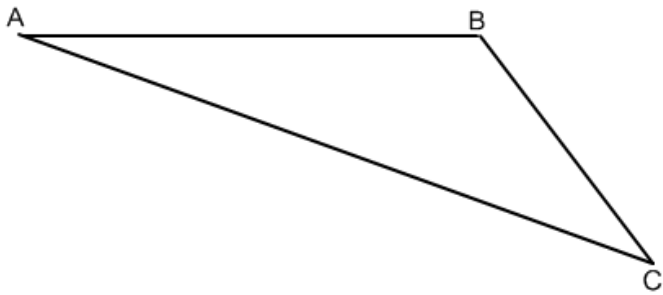
3. Construct a line through point C and perpendicular to \overline{AB} .



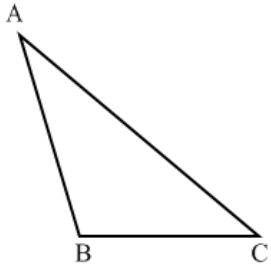
4. Construct an equilateral triangle with side \overline{AC} .



5. Construct an altitude from angle B to side \overline{AC} .



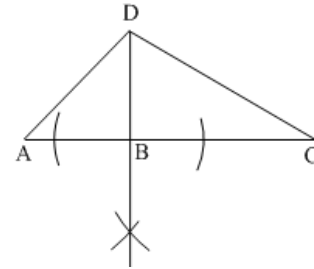
6. Using a compass and straightedge, copy triangle ABC .



Questions 7-10. Using the construction in each diagram, state whether the following statements are true or false (circle the correct answer).

7. \overline{DB} is a median True or False

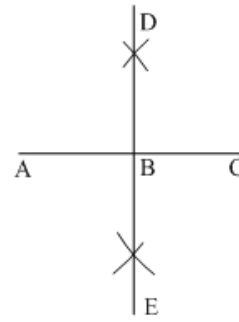
8. $\overline{DB} \perp \overline{AC}$ True or False



questions 7 and 8

9. B is the midpoint of \overline{AC} True or False

10. $\overline{DA} \cong \overline{DC}$ True or False



questions 9 and 10

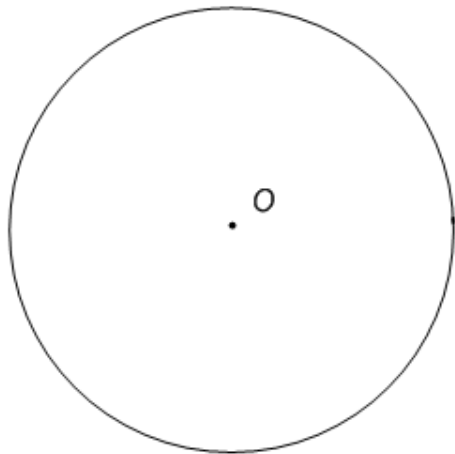
11. A(n) _____ divides an angle into two congruent angles.

12. A(n) _____ is perpendicular to the side to which it is drawn.

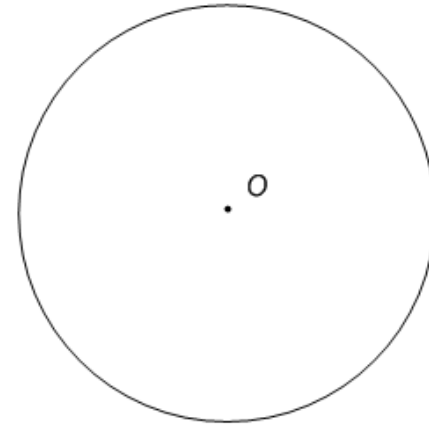
13. A(n) _____ is drawn to the midpoint of the opposite side.

14. A(n) _____ divides a line segment into two congruent segments.

15. Construct an equilateral triangle inscribed in circle O .



16. Construct an inscribed square in circle O .



17. Using the diagram of right triangle ABC below, construct a 45 degree angle.

