

Fall Quarter Review Questions

The following questions are for the students to recall and review the material taught last quarter. Answers will not be collected. However, if the students struggle with any of the questions, they should please feel free to reach out to the instructors for help reviewing.

Packet 1

1. Can you define a point? Are there equivalent definitions of a point?
2. Can you define a straight line? Hint: think of a symmetry of that straight lines possess.
3. Does your definition of a straight line exclude the circumference of a circle? Remember that the circumference of a circle has rotational symmetry. Meaning you can rotate the circle and move any point to any other point.

Packet 2

4. Can you define a ray?
5. Can you define an angle?
6. What is a full angle and what is a straight angle?
7. How many degrees are in a full angle and a straight angle?
8. Given an angle, what is the supplementary angle? What is the complementary angle?
9. What is a right angle?
10. What is a pair of vertical angles?
11. Can you define congruency of angles?
12. Can you define congruency of triangles?
13. What are the three important triangle congruency theorems?

Packet 3

14. Can you define the following shapes: isosceles triangle, equilateral triangle, right triangle, rhombus, rectangle, and a square?
15. Prove that the angles of an isosceles triangle opposite to the congruent sides are congruent.
16. State the Pythagorean theorem. Hint: remember there are two statements in the full Pythagorean theorem.