

Geometry: Chapter 1 Writing Activity

Directions: Use a separate sheet of paper. Every question must be answered in at least two complete sentences. Your answers must be thorough and you will be asked to retry this assignment if you do not provide quality answers and follow directions.

1. Describe what the word “net” refers to in a geometry setting.
2. Outside of a math class setting, when would someone use the concept of a net?
3. Points, lines and planes are undefined, meaning they do not have a definition. Why are points, lines and planes undefined?
4. Provide at least two examples, for each word, of points, lines, and planes found outside of the classroom. Include pictures.
5. What does the prefix “co” mean? What are the root words in collinear and coplanar?
6. Compare and contrast lines, segments and rays. Your response should be detailed. Include pictures.
7. True or false: “Opposite rays are rays pointing in different directions.” Explain your answer.
8. Postulates, or axioms, are facts in math that are accepted as true. List and explain 3 math facts/concepts you know and accept as true.
9. In our everyday lives, we use the word intersect to describe two or more things crossing. How is the mathematical definition more specific than that?
10. Why is the distance between two points the absolute value of the difference of the coordinates and not just the difference of the coordinates?
11. What is the difference between the words equal and congruent?
12. What is the difference between a midpoint and a bisector?
13. Unlike points, lines and planes, an angle is not a singular figure. It is made up of other figures. What figures are used to create an angle? Be descriptive and include a picture.
14. Compare and contrast adjacent and vertical angles. How will you remember which is which?
15. Compare and contrast supplementary and complementary angles. How will you remember which is which?
16. True or False: “Adjacent angles are a linear pair.” Explain your answer.