

Name:

Mr. Freeman

Date:

Geometry Exploration Lab

freeman@pioneerccss.org

Topic: 1.2 Geometric Markings and Segment Addition Postulate

1. What do you think is the difference between a theorem, theory, law, and postulate? (There are more, such as lemma, axiom, postulate).
2. Draw a line segment, measure its length. Now copy the same line segment and break it up into two pieces. Measure their lengths. What do you notice?
3. Repeat the same thing but break the line segment into three pieces. What do you notice?
4. Draw an example of congruent lines.
5. Draw an example of parallel lines.
6. Draw an example of perpendicular lines.
7. Draw an example of congruent angles.
8. Draw an example of right angles.
9. The letter **A** features what kind of lines?
10. The letter **E** features what kind of lines?
11. The letter **H** features what kind of lines?
12. The letter **K** features what kind of lines?
13. The letter **L** features what kind of lines?
14. The letter **M** features what kind of lines?
15. The letter **N** features what kind of lines?
16. The letter **T** features what kind of lines?
17. The letter **V** features what kind of lines?
18. The letter **W** features what kind of lines?
19. The letter **X** features what kind of lines?
20. The letter **Y** features what kind of lines?
21. The letter **Z** features what kind of lines?
22. What letters from this list are somewhat unlike? Why aren't some letters included?
23. What do you think midpoint means?