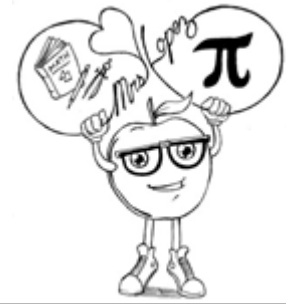
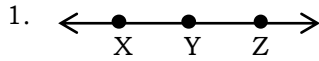


ASSIGNMENT #8: Basics of Geometry

Name: _____ Period: _____ Date: _____

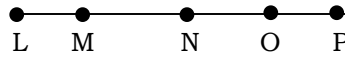


Provide at least 3 names for each diagram with its appropriate symbol.



Score: _____ / 10

Use the figure below for problems 3 – 7.



3. Name two segments that include the point M.

4. Name three segments that include the point P.

5. **True/False:** Point L is included in segment \overline{MP} .

6. **True/False:** \overline{PN} is the same as \overline{NP} .

7. **What is wrong with the following statement:** \overline{LNO} includes point M.

Problems 8 – 11, sketch the following and describe what it is:

8. \overleftrightarrow{TU}

9. \overline{AC}

10. \overline{GH}

11. T

Problems 12 – 13. Explain why the following statements are false:

12. \overline{PS} is the same as \overline{SR}

13. \overline{LM} is the same as \overline{ML}

Problems 14 – 17. Sketch a line that contains point R between points S and T. Which of the following is true? Explain your reasoning for each.

14) \overleftrightarrow{SR} is the same as \overleftrightarrow{ST}

15) \overleftrightarrow{SR} is the same as \overleftrightarrow{RT}

16) \overleftrightarrow{RS} is the same as \overleftrightarrow{TS}

17) \overleftrightarrow{ST} is the same as \overleftrightarrow{TS}