Name_____ Date_____ Period_____ Score _____

Sec 1H Unit 6 Day 1 - Vocabulary Assignment

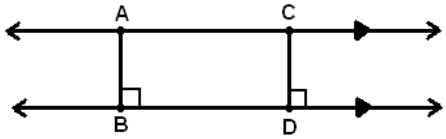
In problems 1-8 match the symbols to the appropriate term or description.

You'll learn more from taking a risk than sitting there quietly, afraid to get the wrong answer.

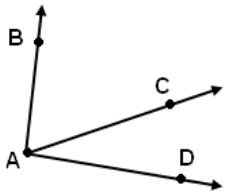
1. _____Perpendicular
2. _____Parallel
3. _____Measure of a line segment from X to Z
4. _____Line segment with endpoints X and Z
5. _____Line that goes through points X and Z
6. _____Angle with vertex B
7. _____Measure of angle W
8. _____Angle with vertex A
9. _____Point F

a. //
b. F
c. $\overline{XZ}$
d. ∠CAB
e. ⊥
f. $\overleftrightarrow{XZ}$
g. m∠W
h. XZ
i. $\angle ABC$

10. Given two parallel lines, If the length of $\overline{AB}$ is 4 centimeters, what is the length of $\overline{CD}$?

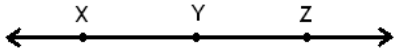


11. Use an arc to mark angle ∠BAC on the picture:

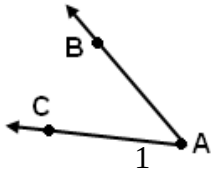


12. Write what "m∠A" means in words.

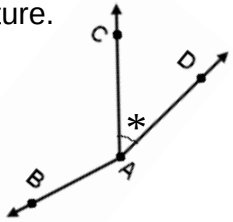
13. Bob named the figure below as $\overleftrightarrow{XYZ}$. Explain whether Bob's notation is correct or not.



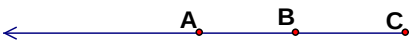
14. Give all four names for the angle below.



15. Name the angle that is marked with a star in the picture.



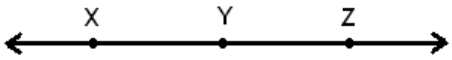
16. Use proper notation to name this figure two different ways.

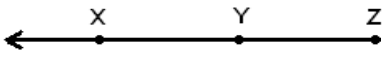


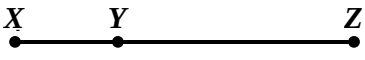
17. Make a sketch to help you answer this question: If line *p* and *m* are parallel and line *n* is perpendicular to line *p*, then what is the relationship between line *n* and line *m*?

18. Draw a picture to represent the following relationships, marking the important information:

a. $\overleftrightarrow{EZ} \perp \overline{JK}$ b. $\overleftrightarrow{AB} \,//\, \overleftrightarrow{CD}$ c. $\overline{KL}$







A line, ray and line segment are shown above. As you study these figures, answer the following:

19. What is the difference between a line, a line segment, and a ray?

20. Give all the proper names for the **line** above. Hint: there are 6 different names.

21. Give all the proper names for the **ray** above. Hint: there are only 2. Why?

22. Give all the proper names for the **line segment** above. Hint: there are 2.

23. If two line segments, $\overline{AB}$ and $\overline{CD}$, are congruent then their lengths have an equal measurement. This is written mathematically as: if $\overline{AB} \cong \overline{CD}$, then $AB = CD$. What do you think is the difference between when congruent is used and when equal is used?