

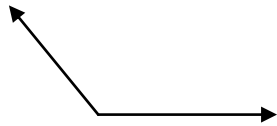
Mathematics

Power Standard 7:9

Pre-Formative Test

Name _____ Hour _____

1. Use a protractor to measure the following angle.

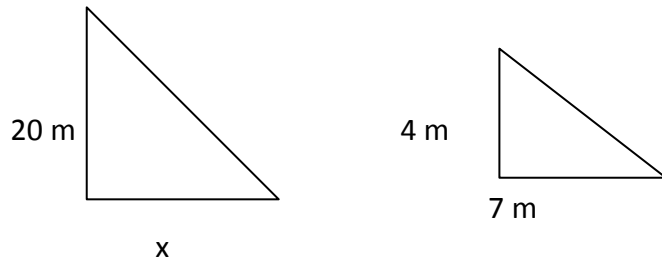


2. Classify the following angle.



- A. acute
B. straight
C. obtuse
D. right
3. Rectangle WXYZ has a length of 8 m and a width of 6 m. Which of the following would be the dimensions of a rectangle that is similar to Rectangle WXYZ?
- A. 4 m by 2 m
B. 15 m by 12 m
C. 32 m by 18 m
D. 48 m by 36 m

4. Find the value of x in the following pair of similar figures.



5. If two rectangles are similar and the ratio of their corresponding sides is 1:4. What is the ratio of their perimeters? Explain your reasoning.
6. A fire hydrant 2.5 feet high casts a 5-foot shadow. How tall is a street light that casts a 26-foot shadow at the same time?