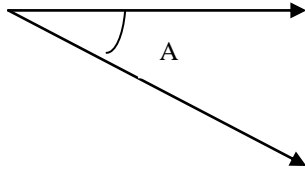


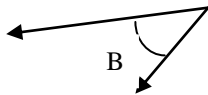
Willard Middle School – Mathematics
FORMATIVE TEST – Power Standard 7:9

Name _____ Hour _____

1. Use a protractor to measure $\angle A$ within $\pm 3^\circ$.

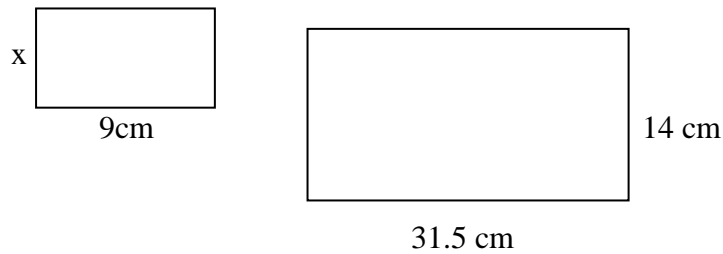


2. Classify $\angle B$.



3. A 163° angle would be classified as:
- A. acute
 - B. obtuse
 - C. right
 - D. straight
4. The measurement of the reflex angle of a 50° angle is:
- A. 40°
 - B. 50°
 - C. 130°
 - D. 310°
5. Rectangle ABCD has a length of 9 m and a width of 4 m. Which of the following would **NOT** be the dimensions of a rectangle that is similar to Rectangle ABCD?
- A. 36 m by 16 m
 - B. 24 m by 10 m
 - C. 18 m by 8 m
 - D. 81 m by 36 m

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



7. Triangle ABC and Triangle DEF are similar and the ratio of their perimeters is 2:5, respectively. If the perimeter of Triangle ABC is 14 m, what is the perimeter of Triangle DEF?
8. A 40 ft. tall monument casts a shadow that just reaches the base of a 4 ft. tall parking meter. If the parking meter's shadow is 6.5 long, how far apart are the monument and the meter?
9. Natalie wants to resize a 4-inch wide by 5-inch long photograph for the school newspaper. It is to fit in a space that is 2 inches wide. What is the length of the resized photograph?