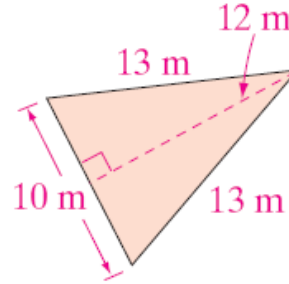
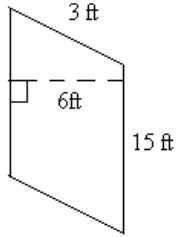


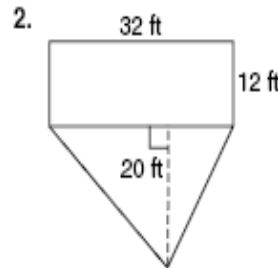
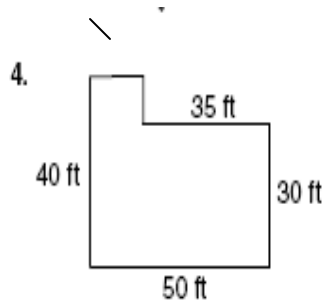
*REMEMBER: Partial credit is granted only when work is shown and comprehensible!*

**Find the perimeter and area of each shape. Don't forget to label your answers!**



1. Perimeter = \_\_\_\_\_  
 2. Area = \_\_\_\_\_

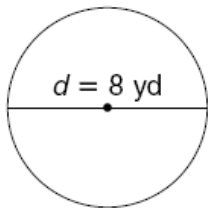
3. Perimeter = \_\_\_\_\_  
 4. Area = \_\_\_\_\_



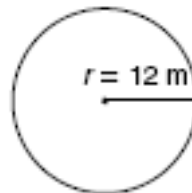
5. Perimeter = \_\_\_\_\_  
 6. Area = \_\_\_\_\_

7. Perimeter = \_\_\_\_\_  
 8. Area = \_\_\_\_\_

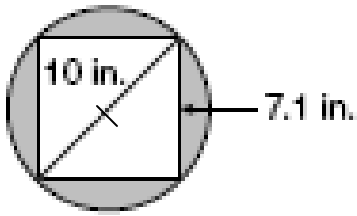
**Find the circumference and area. Use 3.14 for pi. Don't forget to label your answers!**



9. Circumference = \_\_\_\_\_  
 10. Area = \_\_\_\_\_



11. Circumference = \_\_\_\_\_  
 12. Area = \_\_\_\_\_

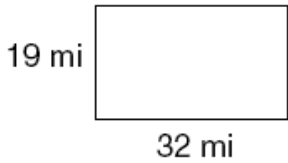


13) Find the area of the shaded region. Use 3.14 for pi.

14) A horse is on a 16 ft long rope tethered to a tree. What is the **total area** that the horse has to graze?

15) A circular pool has a circumference of 520 centimeters. What is the **diameter** of the table?

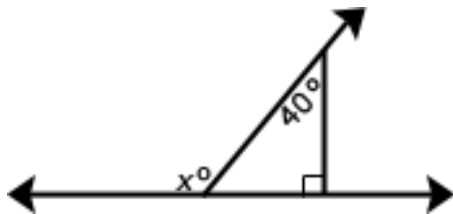
16) **Explain** how you would use the expression \_\_\_\_\_ to find the *perimeter* of the figure below.



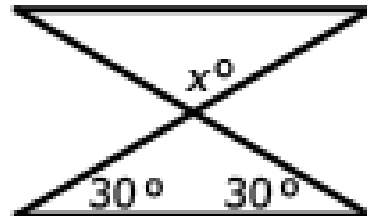
17) A tire on Mark's car has a radius of 24 inches. What is the *approximate circumference* of the tire?

18) Three paintings are shaped like an 8-foot square, a 7-foot by 4-foot rectangle, and a triangle with a 6-foot base and a height of 7 feet. If those paintings are hung together on the outside of a building, how much of the building's wall will they cover **altogether**?

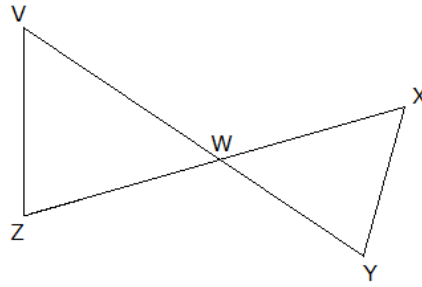
19) Find the measure of angle  $x$ .



20) Find the measure of angle  $x$ .



21) In the figure below,  $m\angle WXY = 57^\circ$ ,  $m\angle XYW = 67^\circ$ , and  $m\angle WZV = 75^\circ$ .



What is  $m\angle ZVW$ ?

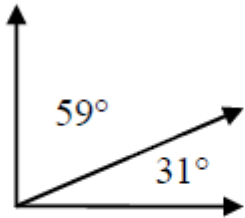
If the angles can form a triangle, classify it as acute, obtuse, or right.

22)

23)

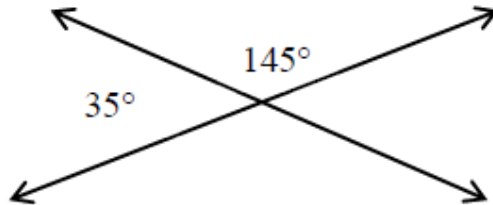
Classify each pair of angles using at least one of the following terms: adjacent, vertical, complementary, supplementary.

24.




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25.




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26.

Find the measure of angle a and b. Show your work.

