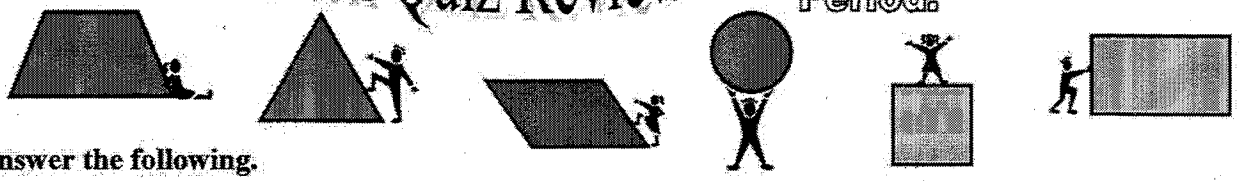
Area & Perimeter Quiz Review

Name:

Period:



Answer the following.

1. **What is the difference between a circle's area and circumference?**

2. **How do you find the bases of a trapezoid? The height?**

3. **What is the difference between a parallelogram and a rectangle?**

4. **Explain how you find the radius of a circle if you know the circumference.**

5. **How do you find the base of a parallelogram if you know the area and the height?**

6. **What's the difference in measuring in square units and measuring in linear units? When do we use each?**

7. **What's the difference between the radius and the diameter of a circle?**

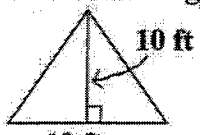
8. **Find the area of the parallelogram if the base = 13 meters and the height = 11 meters.**

   formula:_____

   work:_____

   answer:_____

9. **A museum has a triangular shaped wall, as shown below. What is the area of the wall?**



   formula:_____

   work:_____

   answer:_____

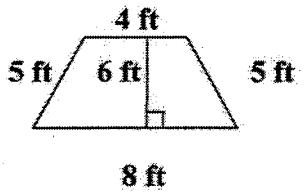
10. **A triangle has a height of 16 cm and an area of 32 cm^2. Find the length of the base.**

11. Find the area & perimeter of the trapezoid.

formula:_____

work:_____

answer: _____



12. A trapezoid has a height of 8 feet and the bases are 9 and 8 feet. Find the area.

formula:_____

work:_____

answer:_____

13. Find the circumference of a circle with the diameter of 28 inches.

formula:_____

work:_____

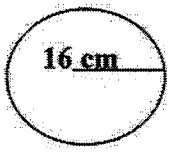
answer:_____

14. Find the area of the circle.

formula:_____

work:_____

answer:_____



15. A very large tree has a trunk that is roughly circular, with the circumference of 967 inches. What is the tree's diameter in inches? Round your answer to the nearest inch. Show work!

16. Find the area and perimeter of a square with the side of 12 cm.

area formula:_____ perimeter formula:_____

work:_____ work:_____

answer:_____ answer:_____

17. Find the area and perimeter of a rectangle with l = 16 and w = 8.

area formula:_____ perimeter formula:_____

work:_____ work:_____

answer:_____ answer:_____

18. The central performance area at a circus is a circular ring having an area of 1808.64 ft^2. Find the diameter of the ring. Show your work!