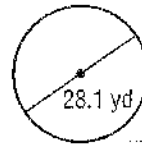# Test, Form 2A

Write the letter for the correct answer in the blank at the right of each question.

1. What is the circumference of the circle? Use 3.14 for π. Round to the nearest tenth.

    A. 31.2 yd   C. 88.2 yd

    B. 44.1 yd   D. 176.5 yd

    1. _____

2. To the nearest tenth, what is the circumference of a bicycle tire with a radius of 11 inches? Use 3.14 for π.

    F. 34.5 in.   G. 17.3 in.   H. 69.1 in.   I. 95 in.

    2. _____

3. What is the area of the circle? Round to the nearest tenth. Use 3.14 for π.

    A. 1,017.4 mm²   C. 56.5 mm²
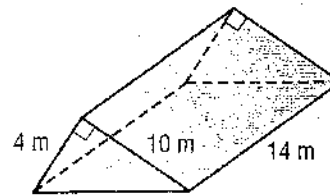
    B. 254.3 mm²   D. 28.3 mm²

    3. _____

4. A rectangular trunk has a volume of 26,880 cubic inches. The trunk is 4 feet long by 28 inches wide. What is the trunk's height?

    F. 20 in.   G. 60 in.   H. 240 in.   I. 2,880 in.

    4. _____
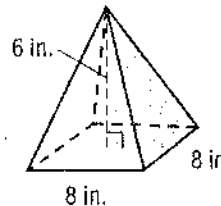
5. What is the volume of the right triangular prism?

    A. 93.3 m³   C. 280 m³
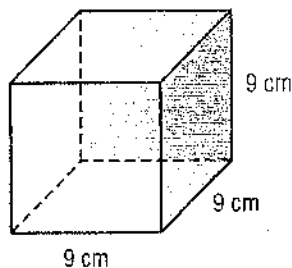
    B. 140.3 m³   D. 560 m³

    5. _____

6. What is the volume of the square pyramid?

    F. 384 in³   H. 132 in³

    G. 192 in³   I. 128 in³
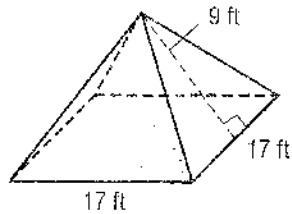
    6. _____

7. What is the surface area of the cube?

    A. 243 cm²   C. 486 cm²

    B. 364.5 cm²   D. 729 cm²

    7. _____

Test, Form 2A   *(continued)*

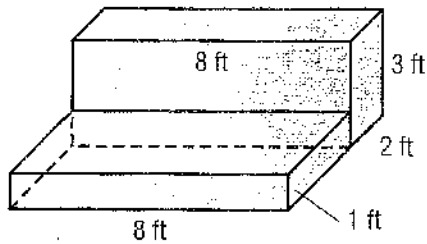8. What is the surface area of the square pyramid?

   9 ft
   17 ft
   17 ft
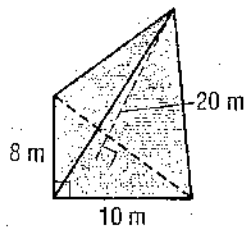
   F. 595 ft²   H. 867 ft²

   G. 612 ft²   I. 901 ft²   8. _____

9. Find the surface area and volume of the composite figure.

   8 ft   3 ft
   2 ft
   8 ft   1 ft   9. _____

10. What is the volume of the triangular pyramid? Round to the nearest tenth if neccessary.

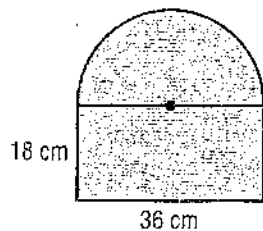   20 m
   8 m
   10 m   10. _____

11. What is the best approximation for the area of a semicircle with a diameter of 12.5 ft? Use 3.14 for π.   11. _____

12. What is the area of the figure? Round to the nearest tenth if necessary. Use 3.14 for π.

   18 cm
   36 cm   12. _____