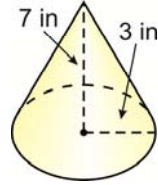Name _____   Date _____

Volume of Cones and Spheres - Matching Worksheet

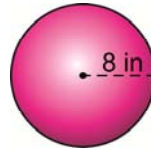Write the letter of the answer that matches the problem. Use п ≈ 3.14, and round your answer to the nearest hundredth.
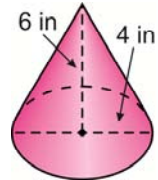
_____ 1. What is the volume of this cone?

7 in   3 in

a.   84.82 in³
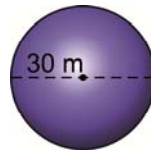
_____ 2. What is the surface area of this sphere?

8 in

b.   530.93 in²

_____ 3. What is the volume of this cone?

6 in   4 in

c.   65.97 in³

_____ 4. What is the surface area of this sphere?

30 m

d.   804.25 m²

_____ 5. What is the volume of this cone?

9 in   3 in
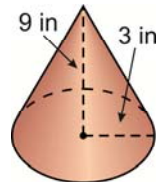
e.   25.13 in³

_____ 6. What is the surface area of this sphere?

6.5 in
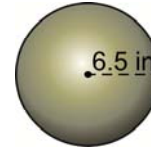
f.   2827.43 in²

_____ 7. What is the volume of this cone?

17 m   11 m
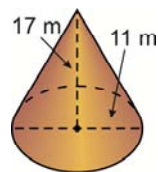
g.   2375.83 m³

_____ 8. What is the surface area of this sphere?

27.5 m

h.   538.52 m²