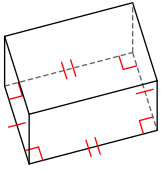Name_____

Assignment : Volume and surface area of solid
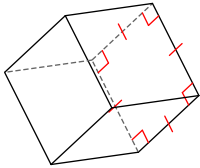
Date_____

Name each figure.

1)

2)

Find the volume of each figure. Round your answers to the nearest whole, if necessary.

3) A square prism measuring 4 ft along each edge
    of the base and 8 ft tall.

4) A rectangular prism measuring 2 ft and 10 ft
    along the base and 5 ft tall.

5) A rectangular prism measuring 11 in and 6 in
    along the base and 4 in tall.

6) A square prism measuring 9 mi along each
    edge of the base and 3 mi tall.

Find the lateral area and surface area of each figure. Round your answers to the nearest whole, if necessary.

7) A rectangular prism measuring 7 in and 4 in
    along the base and 8 in tall.

8) A square prism measuring 9 m along each edge
    of the base and 6 m tall.

9) A rectangular prism measuring 12 mi and 6 mi
    along the base and 4 mi tall.

10) A rectangular prism measuring 12 in and 6 in
     along the base and 8 in tall.

Answers to Assignment : Volume and surface area of solid

1) rectangular prism
2) square prism
3) 128 ft³
4) 100 ft³
5) 264 in³
6) 243 mi³
7) 176 in²; 232 in²
8) 216 m²; 378 m²
9) 144 mi²; 288 mi²
10) 288 in²; 432 in²