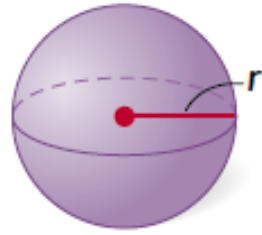**Geometry: 10-8 (Surface Area) Notes**

A _____ is a locus of points in space that are a fixed distance (_____) from a

given point (the _____).

A _____ is _____ of a sphere.

The _____ of a sphere is any cross-section of the sphere

that goes through the _____.

Formula:

Examples:

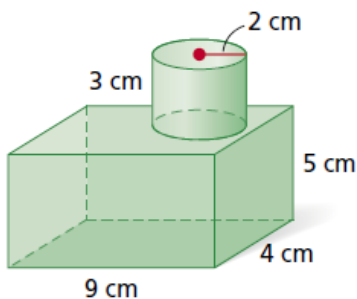1) Find the surface area of a sphere with a diameter of 76 cm.

2) Find the surface area of a sphere with a great circle that has an area of 49π mi^2.
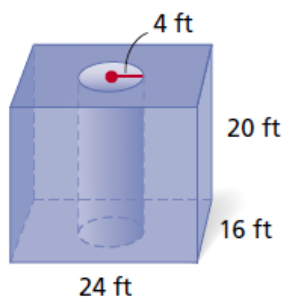

Geometry: Surface Area of Composite Figures

Remember: Say the 3-D shape was dropped into and fully submerged in a bucket of paint. The amount of paint used to cover it represents the surface area.
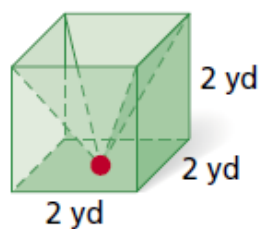
Examples:

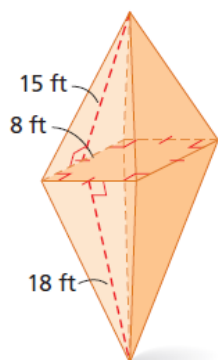1) Find the surface area of the composite figure.
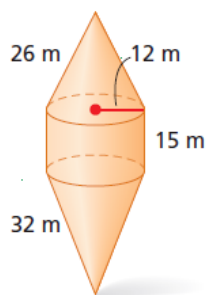
2) Find the surface area of the composite figure.

4 ft

20 ft

16 ft

24 ft

3) Find the surface area of the composite figure.

2 yd

2 yd

2 yd

4) Find the surface area of the composite figure.

15 ft

8 ft

18 ft

5) Find the surface area of the composite figure.

26 m   12 m

15 m

32 m

6) Find the surface area of the composite figure.

3 ft

5 ft