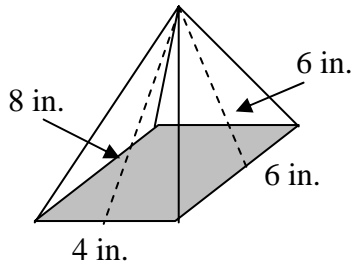


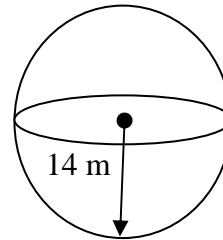
Surface Area of Cones, Pyramids, Spheres

Determine the surface area of each three dimensional figure below, showing all work to support your answer.

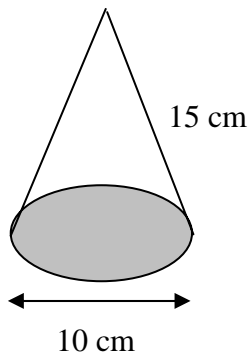
[1]



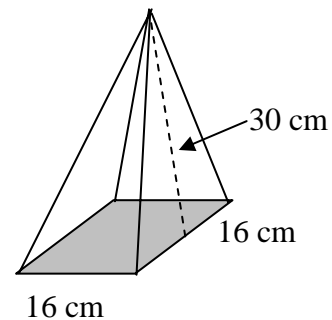
[3]



[2]



[4]



Answer each of the following, showing all work to support each solution in your Math notebook.

- [5] A classroom globe has a diameter of exactly 50 centimeters. Determine the **surface area** of this globe, to the nearest square centimeter (cm^2).



- [6] The Houston Astrodome is a **hemisphere** that has a diameter of 710 feet. If the exterior were to be repainted, how many square feet (ft^2) of paint coverage would be needed to complete the job? Do not include the field (base) in your calculations.

- [7] The moon has a diameter of 3480 kilometers. Determine the **surface area** of the moon to the nearest square kilometer (km^2).



- [8] A giant waffle cone measures 6 inches in diameter, with the tip 10 inches away from any point on the circular rim. How many square inches (in^2) of waffle would be needed to make one of these cones?