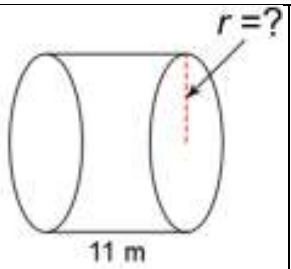
Name_____ Math 8 - Measurement
Date_____Period_____ Finding Radius (part 1)

Independent Practice for *Finding the Radius (part 1)* Lesson

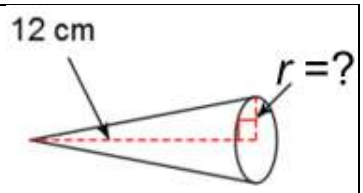
Directions – Work on this page or your own piece of paper to answer each of the following. Use ESA.

1) Calculate the radius if the volume of a cylinder is 147π cm^3 and the height is 3 cm.	2) Calculate the radius if the volume of a cone is 605π in^3 and the height is 15 inches.
3) Calculate the radius if the volume of a cone is 67.2π m^3 and the height is 12.6 meters.	4) Calculate the radius if the volume of a cylinder is 454.4π mm^3 and the height is 7.1 mm.

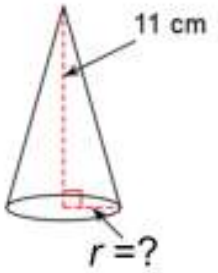
5) Calculate the radius if the volume of a cylinder is 1,693.3 m^3 and the height is 11m. Round to the nearest whole meter.



6) Calculate the radius if the volume of a cone is 50.3 cm^3 and the height is 12 cm. Round to the nearest whole centimeter.



7) Calculate the radius if the volume of a cone is 103.7 cm^3 and the height is 11 cm. Round to the nearest whole centimeter.



8) Calculate the radius if the volume of a cylinder is 475.6 m^3 and the height is 4.5 m. Round to the nearest **tenth** of a meter.