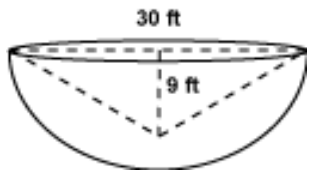Find the volume of the object shown below, consisting of a hemisphere with a cone carved out of the top. Use 3.14 for π.

30 ft

9 ft

The volume of the solid, rounded to the nearest hundred, is about _____ cubic feet.