Tri 3 Review 8.G.9 Last Day

1. Mini Tootsie rolls fill up a large plastic ball in the mall. The candy store is offering a prize to the person that can come closest to the total number of tootsie rolls. The height of each tootsie roll is 3cm and the diameter is 1 cm. The plastic ball has a diameter of 8ft. Using your incredible math skills write and solve an equation to determine the number of mini tootsie rolls in the plastic ball. (1ft = 30.48cm)
2. You are filling an outdoor cylindrical shaped pool with Pepsi. The diameter of the pool is 18 ft and the height of the pool is 5 ft. If 10 of your friends are helping you with this crazy fun task and you can each empty 3 2-litre bottles of pepsi every minute how long will it take for you are your 10 friends to fill the pool?

If each 2-litre bottle of pepsi costs $1.67 at Fred Meyer, how much will they spend to fill up the pool?
3. Mrs Fields cookies is getting ready to make a big batch of chocolate chip cookies. If each ball of cookie dough has a volume of 381.7 cm3. What is the radius of each ball of cookie dough?
4. A cake decorator has a cone shaped funnel they used to put frosting on their cakes. The height of the funnel is 18 cm and the total volume is 1884.96 cm3, then what is the radius?