MATH 1500: Quiz Ch. 3

1. Write the following numerically:

Three thousand four hundred thirty-seven and one hundred fifty-two thousandths

2. Round to the nearest hundredth: 0.3549875

Perform the following operations. You may not use a calculator.

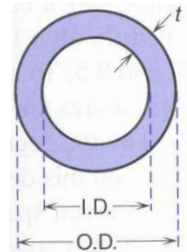**3.** $18.92 + 3.7$ **4.** $423.87 - 58.623$ **5.** $1.63(0.4)$

6. $15.2(450.7)$ **7.** $125.37 \div .003$ **8.** $58.05 \div 90$

9. The inside diameter (I.D.) and outside diameter (O.D.) of a pipe are shown in the figure. The wall thickness of the pipe is the dimension labeled t. Calculate the wall thickness of schedule 120 pipe if its I.D. is 0.599 inches and its O.D. is 1.315 inches.

10. You must estimate the cost of building a storage tank. The tank requires 208 sq. ft. of material at $9.29 per square foot. It also requires 4.5 hours of labor at $26.40 per hour plus 1.6 hours of labor at $19.60 per hour. Find the total cost of the tank.