Quiz 4
Math 252

Names:

Work with one other person and turn in only one copy with both names on it. Show *all* your work (algebraically, geometrically, or calculus) for the following. Since the answer is given to you it really is the supporting work that is being graded.

1. [5] James Stewart would like an additional example written into §6.2 of his book. He would like to place it between example 1 and example 2 and have it verify that the formula for the following solid is $\frac{1}{3}\pi r^2 h$.

2. [5] Seeing as the first example you wrote was so clear, James Stewart would like you to do the same example using the method of cylindrical shells instead.