

Quiz 7

MAT 265, SPRING 2017

NAME:

1. (20 points) A 1200-gallon tank initially contains 480 gallons of water and 4 pounds of salt in a solution. A saline solution with a concentration of 6 pounds per gallon is pumped into the tank at a rate of 7 gallons per hour. The well mixed solution is pumped out of the tank at a rate of 6 gallons per hour. Find the amount of salt in the tank at the time it overflows.