

Retake 7

MAT 265, SPRING 2017

NAME:

1. (20 points) A 480-liter tank initially contains 90 kilograms of salt dissolved in 360 liters of water. A solution containing 2 kilograms of salt per liter is pumped into the tank at a rate of 4 liters per minute. The well-stirred mixture is pumped out of the tank at a rate of 3 liters per minute. Find the amount of salt in the tank when it is full.