MATH 5010 – Quiz

Name:

8.13   Student scores on exams given by a certain instructor have mean 74 and standard deviation 14. This instructor is about to give two exams, one to a class of size 35 and the other to a class of size 64. Approximate the probability that the average score in the class of size 35 exceeds the other class's average by more than 2 points. Express your answer in terms of $\Phi(x)$.