

Physics 335—Thermal Physics
Homework Assignment #5
Due Wednesday, October 9, 2024, 11:40 am

Ch 4: Problems 4.3, 4.10, and 4.14 (20 pts each).

Hints: For problem 4.10, make some reasonable estimates for the temperature of your kitchen and the temperature inside the refrigerator. (Manufacturers typically recommend about 0°F for the freezer portion of a household refrigerator, and about 39°F for the refrigerator portion. The freezer temperature is the relevant one for determining the coefficient of performance.)