

Homework #6 – Heating and Cooling Equipment and Air Distribution

Due: 9/13 [20 points]

Name: _____

From HW #5

Cooling Load = _____ BTUH

Calculate the Tonnage of AC Required

Heating Load = _____ BTUH (90% furnace efficiency loss)

Homeowner System Requirements

Central Heating and Air Conditioning

Home Location – Chico, CA

Equipment Selection



<https://www.ecomfort.com/>

1. Using the Web site given above, select a central air conditioner that meets the homes cooling requirement. Complete the table below:

Make	
Model	
Tonnage	
SEER	
Refrigerant	
Price	

2. Using the Web site given above, select a central gas heater that meets the homes heating requirement. Complete the table below:

Make	
Model	
BTU	
Fuel	
AFUE	
Price	