**Name:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Class:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Greenhouse Math

1. Calculate the ventilation required for a greenhouse with the following measurements: **Height= 10ft Width= 8 ft Length= 10 ft**

ANS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CFM

1. Work Space

3. Work Space

2. Work Space

5ft

2. Calculate the minimum BTU’s needed for a greenhouse with the following measurements: The **minimum outside temperature is 35˚F** and the **minimum inside temperature is 70˚F**. The greenhouse is covered by Double layer insulated glass that has **.45 heat loss**. (Round to a whole number) **H= 5 ft S= 6 ft R= 10 ft L= 8 ft W= 5 ft**

ANS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_BTU

3. Calculate for the area of this bench:

ANS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10 ft