# Cooling Tower Lab

Student Name

Date

**Figure 1a.** Water temperature and wet bulb temperature of the air as a function of height along the cooling tower for the case of an inlet water flow rate of XX gm/s. The Range and Approach are denoted by the vertical lines labeled “R” and “A”, respectively.

[copy and paste your figure 1a here]

**Figure 1b.** Cooling tower efficiency as a function of water inlet flow rate.

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**Figure 1c.** Specific humidity as a function of height along the cooling tower. The results for three different water inlet flow rates are shown.

[copy and paste your figure 1c here]

**Figure 1d.** Dry bulb temperature as a function of height along the cooling tower. The results for three different water inlet flow rates are shown.

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**Figure 1f.** Heat transfer rate to the dry air and the surroundings as a function of water inlet temperature.

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**Figure 1e.** Ratio of water outlet mass flow rate over water inlet mass flow rate as a function of water inlet temperature.

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