# Vapor-Compression Refrigeration Lab

Student Name

Date

**Figure 1a.** [insert caption here]

[copy and paste your figure 1a here]

**Figure 1b.** [insert caption here]

[copy and paste your figure 1b here ]

**Figure 1c.** [insert caption here]

[copy and paste your figure 1c here]

**Figure 1d.** [insert caption here]

[copy and paste your figure 1d here]

[copy and paste your figure 1e here]

**Figure 1e.** [insert caption here]

Short-Answer Questions

**2a.** *List and explain the observed differences in the P -h diagrams between an ideal cycle (as depicted in Figure 2 of the Handout) and that obtained from your actual measurements. [4–6 sentences]*

[insert your response here]

**2b.** *Based on your results and your engineering judgment, at what flow rate should the refrigerator be run. Justify your answer. [3–4 sentences]*

[insert your response here]

**2c.** *Perform a brief literature search of vapor-compression refrigeration systems to deter- mine how one can improve the coefficient of performance of an actual system. Describe at least one means of increasing COPR and explain how it works in terms of the equation: . Include one or more references from your literature search. [3–6 sentences]*

[insert your response here]