**Introductory to Operating Systems**

**COP 4600**

Name and ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Worksheet #5**

Q1. What are advantages and disadvantages of using user-level threads?

Q2. What are advantages and disadvantages of using kernel-level threads?

Q3. Can multithreaded solution using multiple user-level threads achieve better performance on a multiprocessor system than on a single-processor system?

Q4. Under what circumstances is better to use kernel-level threads than user-level threads?

Q5. Which of the following components of program state are shared across threads in a multithreaded process?

1. Register values
2. Code
3. Global variables
4. Stack memory