Name: _____     Lab Section: _____

# ECE 2140
## Experiment 11 Prelab
## Programmable Logic Devices
## 4-Input Multiplexer

**1. Read through Experiment 11.**

2. Look up the data sheets for the parts used in the experiment.

     a. Find the following specifications for each IC

| Recommended (Nominal) Operating Voltages | |
|---|---|
| | **GAL16V8** |
| $V_{CC}$ | |
| $V_{IL}$ | |
| $V_{IH}$ | |
| $V_{OL}$ | |
| $V_{OH}$ | |

3. A 4-input multiplexer can be made using three 2-input MUXs.  Draw a schematic for this: