**TECH 3232**

**HW #3**

Ver 2019

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Use Boolean algebra to simplify the following expressions:**

1. $a+b+ab$
2. $y+y\overbar{y}$
3. $a(a+b+c+d)$
4. $xy+x\overbar{y}$
5. $\overbar{x}+y\overbar{x}$
6. $a+b+\overbar{a}\overbar{b}$