**Mole HomeWork 4**

**Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Do these problems and turn your completed work to class**

**Friday 2 October. You can put your work on a separate piece of paper or copy this off and do the work in the spaces provided. SHOW WORK or NO CREDIT**

**(2 pts each/4 pts total)**

**1) Compound Dick is composed of 0.5333 g C, 0.1111 g H**

**and 0.35555 g O. What is Dick’s empiric formula ?**

**\_\_\_\_\_\_\_\_\_\_Dick’s empiric formula**

**2) Compound Jane is composed of 5.4545 g C, 1.3636 g H and**

**3.1818 g N. Jane’s molecular weight is 220 g/mol. What is**

**Jane’s molecular formula?**

**Jane’s molecular formula**