**Mini-quiz #12 Chemistry 1114 section 2 (Fong) 24 Sept 2014 4 pts A**

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

Show work for all problems…or no credit !

The compound sucrose has the formula: C12H22O11 and a molecular mass of 342 g/mol.

a) How many moles of O are found in 62.1818 g of sucrose ?

 \_\_\_\_\_\_\_\_ mol O

b) If a sample of sucrose contains 0.421 g C (atomic mass 12 g/mol C), how many grams of

 sucrose are present ?

 \_\_\_\_\_\_\_\_\_ g sucrose

**Mini-quiz #12 Chemistry 1114 section 2 (Fong) 24 Sept 2014 4 pts B**

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

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The compound cubandiol has the formula: C8H14O2 and a molecular mass of 142 g/mol.

a) How many moles of C are found in 53.25 g of cubandiol ?

 \_\_\_\_\_\_\_\_ mol C

b) If a sample of cubandiol contains 0.296 g H (atomic mass 1 g/mol H), how many grams of

 cubandiol are present ?

 \_\_\_\_\_\_\_\_\_ g cubandiol