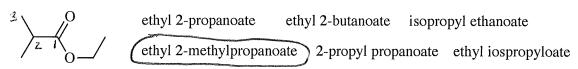
Quiz 3 Key, Chem 2542 F12

1. (3) Circle the correct **IUPAC** name of the following compound:



2. (5) Draw line-angle formula of the **product** in the following reaction (no partial credit):

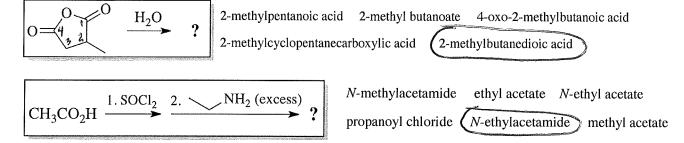
$$OH = OH = OH = OH = OH$$

$$OH = OH = OH$$

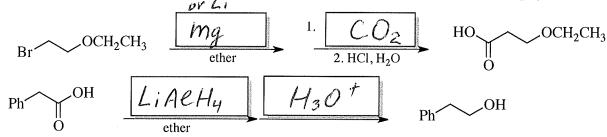
$$OH = OH = OH$$

$$OH = OH$$

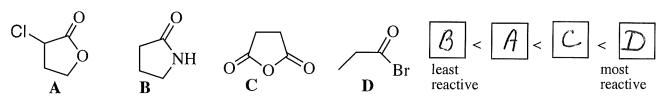
3. (6) Circle the **major product** in each of the following reactions (3 pts each):



4. (4) Place the reagents on the arrow that are required to perform the following synthesis (1 pt each):



- **5.** (3) Arrange the following compounds in order of increasing **acidity** (put letters in the box; 1 pt each box):
- **6.** (4) Arrange the following compounds in order of reactivity for **nucleophilic acyl substitution** reaction (put letters in the box; 1 pt each box):



Overall Score: 25