## Quiz 2. Wednesday Morning

## Name:

1) Predict the product of the following reaction (2 points).

$$H_3C$$
  $O_3$ ,  $SMe_2$   $H_3C$   $O$ 

2) Show the reagent(s) necessary to carry out the following reaction (2 points).

3) Show a reaction mechanism for the following reaction (6 points).

$$H-OSO_3H$$
 $H_2SO_4$ 
 $OH$ 
 $HO_3SO$ 
 $HO_3SO$ 
 $HO_4$ 
 $OH$ 
 $OH$