## Quiz 2

- 1. a. (10 pts. each) Draw both possible intermediates (even really bad ones) for the reaction of the following alkenes with  $H^+$ .
  - b. (10 pts. each) Circle the lower energy intermediate.

i. H<sup>+</sup>

ii. H<sup>+</sup>

- 2. a. Why are  $\pi$  bonds more reactive than  $\sigma$  bonds?
  - b. Are alkenes nucleophilic or electrophilic?
- 3. Predict the major product(s) of the following electrophilic addition reactions.

a.

b.

c.