**Proving Identities** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_

Prove (or disprove) each of the following identities algebraically. Show your work.

1.  2. 

3.  4. 

5.  6. 