Pin: ???
Name: ?

- Def. A conjecture is a statement that we believe is plausible. That is, we think it might be true, but we have not yet formulated a proof to show that it is indeed true.
®. Conjecture A. If $a, b$, and $c$ are integers, then $a b+a c$ is an even integer.
- Is Conjecture A true or false? Justify your answer.

Hint. You should understand that the instructions means to do one of the following.

- If Conjecture A is false, then say Conjecture A is false and also justify by providing a counterexample (i.e., an example which shows the conjecture is false). Explain why your counterexample shows that the conjecture is false
- If Conjecture A is true, then say Conjecture A is true and also justify by providing a proof.

DELETE this whole sentence and THEN put your answer to ALL parts down here.

