Quiz 1.1: Propositions Name:

1. Which of the following are propositions? If it is a proposition, determine if it is true or false.
2. If it’s Tuesday it will rain.
3. 4 > 3 + 2
4. Labs are a big dog.
5. x2 ≥ 0
6. x + 7 = 10
7. Given the proposition: If you don’t eat any candy then you can have popcorn.
8. Write the contraposition:
9. Write the converse:
10. Which one is equivalent to the original statement?
11. Determine if the proposition below is utilizing an **exclusive or** or a **simple or**.

Give me the symbol and Explain: *“We will have hamburgers or pizza for dinner.”*

1. Provide the truth table for the following logical expression: