

Name:

## Quiz 1

There are only two questions which you can possibly answer wrong on this quiz. If you simply answer each question, you will get a score of at least 9 points for this quiz. So please answer honestly.

1. Did you watch at least part of the video on logic? (yes/no)
2. Did you watch all of the video? (yes/no)
3. Did you find any parts confusing (if so, which parts)? (yes/no)
4. Consider the statement: "If it's December, then the Red Sox are not playing". Write the contrapositive of that statement.
5. If I say "The Red Sox always win when it rains" and you say "but yesterday it rained and the Red Sox lost", have you proved me wrong by counter-example?
6. Do you understand that proof by contradiction is not the same as proof by counter-example? (yes / somewhat / not at all)

If you have any other feedback you'd like to give about this video, feel free to write it here (but you are not obligated to do so):

Name: Solutions

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4. Consider the statement: "If it's December, then the Red Sox are not playing". Write the contrapositive of that statement.

If the Red Sox are playing, then it's not December.

5. If I say "The Red Sox always win when it rains" and you say "but yesterday it rained and the Red Sox lost", have you proved me wrong by counter-example? Yes
6. Do you understand that proof by contradiction is not the same as proof by counter-example? (yes / somewhat / not at all)

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