1. Test the argument for validity. (When finished, write a complete sentence telling how you know whether the argument is valid or a fallacy.)

\[ P \leftrightarrow \sim Q \]
\[ \sim Q \]
\[ \therefore \sim P \]
2. Test the argument for validity. (When finished, write a complete sentence telling how you know whether the argument is valid or a fallacy.)

\[ Q \rightarrow P \]
\[ \sim P \]
\[ \therefore \sim Q \]
3. Test the argument for validity. (When finished, write a complete sentence
telling how you know whether the argument is valid or a fallacy.)

\[ Q \rightarrow P \]
\[ \sim P \lor Q \]
\[ \therefore Q \]
4. Test the argument for validity. (When finished, write a complete sentence telling how you know whether the argument is valid or a fallacy.)

If I eat, then I will go out to play.
If I go out to play, then I will stay out late.
Therefore, if I eat, then I will stay out late.