

Here is a sample quiz from a past semester. Using the two strategies on page 402 is highly recommended. Test yourself. You should be able to recognize the answer for each one in less than a minute. If you cannot finish this practice test in less than five minutes, then you should redo step 1 exercises and study the boxes in Chapter 9.

**Step #1 Quiz:** Name the rule of inference; if no rule applies put an **X**.

#1

1.  $(B \bullet C) \supset X$
2.  $\sim X \quad \therefore \sim(B \bullet C)$

#2

1.  $\sim(B \bullet \sim X)$
2.  $\sim(B \bullet \sim X) \supset \sim T \quad \therefore \sim T$

#3

1.  $\sim X \supset \sim Y$
- $\therefore \sim X \supset (\sim X \bullet \sim Y)$

#4

1.  $\sim Z \bullet \sim P$
- $\therefore \sim Z$

#5

1.  $\sim X \supset (\sim P \supset Z)$
2.  $\sim Z \supset \sim Y \quad \therefore \sim Z \supset (\sim P \supset Z)$

**Hint:** What if the premise in #4 was  $\sim(Z \bullet \sim P)$ ?