CRITICAL THINKING

Workshop #4: Creating Valid & Invalid Arguments

Part I: Each of the following problems asks you to construct a deductive argument with only two premises and a conclusion, which has the characteristics specified. Be sure to put the argument in argumentative form, and then clearly explain why each statement is either true or false, and why the argument itself is either valid or invalid. Be sure that your answer clearly demonstrates that you understand all the logical concepts involved (true, false, valid, and invalid). Use the facts that I provide below to make your answers more concrete. These problems should be fairly straightforward.

Nation	2015 Population Estimate
Nation	
Bahrain (GCC)	1,377,237
Qatar (GCC)	2,235,355
Israel (non-GCC)	8,380,400
Syria (non-GCC)	18,502,413
Saudi Arabia (GCC)	31,540,372
Iran (non-GCC)	79,109,272

1. A valid argument with one true premise, one false premise, and a false conclusion.

2. An invalid argument with two false premises and a true conclusion.

Workshop #4: Creating Valid & Invalid Arguments (Continued)

Part II: Each of the following problems asks you to construct a deductive argument with only two premises and a conclusion, which has the characteristics specified. Be sure to put the argument in argumentative form, and then clearly explain why each statement is either true or false, and why the argument itself is either valid or invalid. Be sure that your answer clearly demonstrates that you understand all the logical concepts involved (true, false, valid, and invalid). Use the facts that I provide on the previous page to make your answers more concrete. Some of these problems may require more thought.

1. An invalid argument with two true premises and a true conclusion.

2. A valid argument with two false premises and a true conclusion.

3. A valid argument with two true premises and a false conclusion.