

Phil 57 section 3
Prof. Stemwedel
Homework #4

1. Explain the difference between the **form** of an argument and the **content** of an argument, using an example in your explanation.
2. Define a **valid argument**. Is validity a formal property of an argument or a content based property of an argument?
3. Define a **sound argument**. Is soundness a formal property of an argument or a content based property of an argument?
4. Explain why a sound argument cannot have a false conclusion. (Your explanation can take the form of an argument involving the definitions of validity and soundness.)
5. Give an example of a valid argument whose premises are actually false and whose conclusion is actually true.
6. Define an **invalid argument**.
7. Can a valid argument have all its premises be actually true and its conclusion be actually false?
8. Give an example of an argument that is both valid and sound but is still not persuasive.
9. Recall that arguments make both **factual claims** (that the premises are true) and **inferential claims** (that the premises support the conclusion). Which of these claims are false in an invalid argument? In a valid argument that is unsound?
10. Define an **inductive argument**. Explain how the inferential claim made by an inductive argument differs from that of a deductive argument.