



Name _____

Points (20) _____

Introductory Logic

Homework #14

(Due: 1/15/2013)



Read pages 93-99 in the text. Define the following, *using the text*:

• pure hypothetical syllogism –

• mixed hypothetical syllogism –

• antecedent –

• consequent –

Write the schema of the following mixed hypothetical syllogisms:

• modus ponens –

• asserting the consequent –

• modus tollens –

• denying the antecedent –

Do Exercise 23 on pages 97-98 of the text. Take your time to think it through!

1. _____

11. _____

2. _____

12. _____

3. _____

13. _____

4. _____

14. _____

5. _____

15. _____

6. _____

16. _____

7. _____

17. _____

8. _____

18. _____

9. _____

19. _____

10. _____

20. _____

Now try Exercise 24 on page 99. You may write the schema of the argument if you prefer.

1. _____ Argument: _____
_____ Valid/invalid: _____

2. _____ Argument: _____
_____ Valid/invalid: _____

3. _____ Argument: _____
_____ Valid/invalid: _____

4. _____ Argument: _____
_____ Valid/invalid: _____

Cranium Calisthenics

Figure Eights*

1. If Julie goes ice skating, then her friend Jeff will go ice skating.
2. If Jeff goes ice skating, then his sister Angie will go ice skating.
3. Jeff will not go ice skating.



Will Julie go ice skating? _____ Will Angie go ice skating? _____

* From *Adventures With Logic*. Schoenfield and Rosenblatt. Fearon Teacher Aids, 1985.