Validity Worksheet – KEY
February 9, 2016
O’Rourke

I. True/False
A. T / F – All valid arguments have true premises
B. T / F – All arguments with true conclusions are valid
C. T / F – If an argument is invalid, it must be possible for its conclusion to be false
D. T / F – If all you know about an argument is that all of its steps (premises and conclusion) are true, you don’t know enough to tell if it is valid.
E. T / F – This sentence is false. – I’ll accept either response or no response...

II. Fill-in-the-blank: Using the information provided, indicate whether the arguments are valid, invalid, or unknown:

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<th>P1</th>
<th>P2</th>
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Unknown  Unknown  Invalid  Unknown  Unknown

III. Argument Construction

Drawing on the following set of steps, create 2 valid three-step arguments and 2 invalid three-step arguments.

1. I left my phone at school.
2. If I left my phone at school, then I can’t call you now.
3. I can call you now.
4. I didn’t leave my phone at school.
5. I can’t call you now.
6. Either I left my phone at school or I didn’t leave my phone at school.
VALID – many options

1. P1. If I left my phone at school, then I can’t call you now. (2)
   P2. I left my phone at school. (1)
       -----------------------
   C. I can’t call you now. (5)

2. P1. If I left my phone at school, then I can’t call you now. (2)
   P2. I can call you now. (3)
       -----------------------
   C. I didn’t leave my phone at school. (4)

INVALID – many options

1. P1. If I left my phone at school, then I can’t call you now. (2)
   P2. I didn’t leave my phone at school. (4)
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   C. I can call you now. (3)

2. P1. Either I left my phone at school or I didn’t leave my phone at school. (6)
   P2. I can call you now. (3)
       -----------------------
   C. I didn’t leave my phone at school. (4)