

Worksheet Exercise 3.8.B.

Name _____

Combined Deductions

Class _____ Date _____

Part B. Give deductions for the following arguments.

1. 1. (all P are L) \supset (all P are A)
 2. (all P are A) \supset \sim (some P are C)
 \therefore (all P are L) \supset (no P are C)

3. _____
 4. _____

2. 1. some P are I
 2. all I are F
 3. (some P are F) \supset \sim (all P are non-D)
 \therefore some P are D

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 5. _____
 6. _____
 7. _____
 8. _____

3. 1. (all E are non-Q) \supset (all M are non-Q)
 2. some M are F
 3. no non-Q are F
 \therefore some E are non-non-Q

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 9. _____
 10. _____
 11. _____
 12. _____

4. 1. all N are non-M
 2. some D are B
 3. all B are N
 \therefore \sim (all D are M)

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 8. _____
 9. _____

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5. 1. (some P are A) \vee \sim (some P are A)
 2. (some P are A) \supset (all E are M)
 3. \sim (some P are A) \supset (no E are M)
 \therefore (all E are M) \vee (no E are M)
 \therefore (some E are M) \supset (all E are M)

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6. 1. all P are non-L
 2. (all non-O are L) & (all non-S are L) & (all non-B are L) & (all non-E are L)
 \therefore (all P are O) & (all P are S) & (all P are B) & (all P are E)

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7. 1. (some P are F) \vee (no P are F)
 2. (some P are F) \supset [(some A are G) & (some A are E)]
 3. (no P are F) \supset [(no A are G) & (no A are E)]
 \therefore (some A are E) \vee (no A are G)

4. _____
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- Dilemma
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8. 1. (all G are M) & (all G are R) & (all R are G)
 2. (all E are M) & (all E are P) & (all P are E)
 \therefore (all non-M are non-R) & (all non-M are non-P)

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