

**Worksheet Exercise 3.7.C.**

Name \_\_\_\_\_

**Syllogistic Deductions**

Class \_\_\_\_\_ Date \_\_\_\_\_

**Part C.** Give deductions for the following arguments, use as many steps as you need.

- (1) 1. no K are non-M  
2. some A are G  
3. no non-S are G  
4. all S are K       $\therefore$  some A are M

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- (2) 1. not all Q are B  
2. all W are K  
3. all K are B  
4. not some non-W are U       $\therefore$  some Q are non-U

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- (3) 1. b is non-M  
2. all S are M  
3. all R are E  
4. no E are non-S       $\therefore$  not all non-M are R

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- (4) 1. all D are non-Q  
 2. all D are S  
 3. c is D  
 4. all non-Q are M  
 5. no S are non-A      $\therefore$  not no A are M

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- (5) 1. no A are B  
 2. all C are B  
 3. no U are M  
 4. all non-A are M  
 5. no non-U are K      $\therefore$  no C are K

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- (6) 1. d is K  
 2. not some P are Q  
 3. all B are Q  
 4. no K are non-B  
 5. all non-M are P      $\therefore$  some K is M

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