☞ Name _____ Section _____

Philosophy 57 — Quiz # 3

Solutions posted 03/11/03

1 True/False (Circle the correct answer)

T Ⓕ 1. **A** and **E** type categorical statements are equivalent to their Contrapositives.

Ⓣ F 2. A categorical proposition is a statement that relates two classes.

T Ⓕ 3. The categorical proposition "No dogs are cats" has an affirmative quality.

Ⓣ F 4. The categorical proposition "Some Athletes are overpaid persons" has a particular quantity.

Ⓣ F 5. All categorical claims are equivalent to their Obverses.

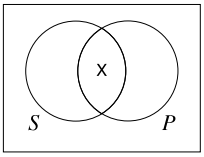
Ⓣ F 6. Quantifiers specify how much of the subject class is included or excluded in the predicate class.

T Ⓕ 7. The Obverse of "Some A are not B" is "Some A are not non-B".

T Ⓕ 8. The Contrapositive of "No A are B" is "No non-A are non-B".

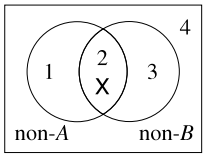
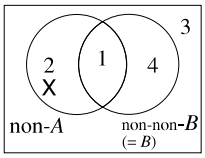
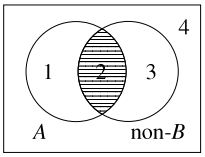
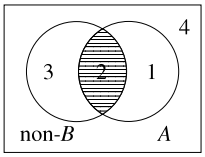
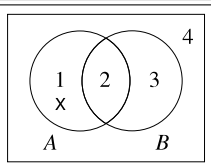
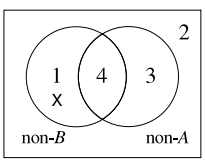
Ⓣ F 9. **A** and **O** type categorical statements are *contradictories* (*i.e.*, **A** and **O** have *opposite meaning*).

Ⓣ F 10. The following Venn Diagram is the correct one for an **I** type claim (with subject term S and predicate term P):



2 Short Answer (Fill-in the blank cells/diagrams in the table)

NOTE: The complement of 'non-X' may be written as *either* 'non-non-X' *or* 'X' (any correct diagrams are acceptable).

Original Statement	**Venn Diagram** (of original)	**Transformation**	**Transformed Statement**	**Venn Diagram** (of transform)	**Equivalent?** (Yes/No)
Some non-A are non-B.	 Some non-A are non-B	Obversion	Some non-A are not non-non-B *or* Some non-A are not B	 Some non-A are not B	Yes
No A are non-B.	 No A are non-B	Conversion	No non-B are A.	 No non-B are A	Yes
Some A are not B.	 Some A are not B	Contraposition	Some non-B are not non-A.	 Some non-B are not non-A	Yes