

Worksheet Exercise 1.3.

Evaluating Arguments

Name _____

Class _____ Date _____

Instructions. Write the following arguments as abstract patterns. Use the obvious capital letters to abbreviate the regional groups. Also, for purposes of this exercise, let us stipulate that a person is said to be member of a certain regional group just in case that person was born in the specified region, e.g., an Italian is only someone who was born in Italy. Then, answer the three questions with yes or no.

Question 1. Is the argument valid? (Base this on the pattern used)Question 2. Are all of the premisses true? (Base this on the real world)

Question 3. Is the argument sound? (Base this on Q.1 and Q.2)

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| 0. All Athenians are Europeans.
All Greeks are Europeans.
So, all Athenians are Greeks. | 1. <u>all A are E</u>
2. <u>all G are E</u>
so, <u>all A are G</u> | Is the arg valid? <u>no</u>
Are all prems true? <u>yes</u>
Is the arg sound? <u>no</u> |
| 1. All Romans are Italians.
All Italians are Europeans.
So, all Romans are Europeans. | 1. _____
2. _____
so, _____ | Is the arg valid? _____
Are all prems true? _____
Is the arg sound? _____ |
| 2. All Greeks are Russians.
All Russians are Spaniards.
So, all Greeks are Spaniards. | 1. _____
2. _____
so, _____ | Is the arg valid? _____
Are all prems true? _____
Is the arg sound? _____ |
| 3. All Hollanders are Greeks.
All Europeans are Greeks.
So, all Hollanders are Europeans. | 1. _____
2. _____
so, _____ | Is the arg valid? _____
Are all prems true? _____
Is the arg sound? _____ |
| 4. All Egyptians are Africans.
All Chinese are Africans.
So, all Chinese are Egyptians. | 1. _____
2. _____
so, _____ | Is the arg valid? _____
Are all prems true? _____
Is the arg sound? _____ |
| 5. All Egyptians are Chinese.
All Chinese are Africans.
So, all Egyptians are Africans. | 1. _____
2. _____
so, _____ | Is the arg valid? _____
Are all prems true? _____
Is the arg sound? _____ |
| 6. All Moscovites are Russians.
All Moscovites are Europeans.
So, all Europeans are Russians. | 1. _____
2. _____
so, _____ | Is the arg valid? _____
Are all prems true? _____
Is the arg sound? _____ |
| 7. All Londoners are Britains
No Britains are Russians.
So, no Londoners are Russians. | 1. _____
2. _____
so, _____ | Is the arg valid? _____
Are all prems true? _____
Is the arg sound? _____ |
| 8. No Greeks are Russians.
No Athenians are Russians.
So, no Greeks are Athenians. | 1. _____
2. _____
so, _____ | Is the arg valid? _____
Are all prems true? _____
Is the arg sound? _____ |