

1. For the underlined singular sentence below, pick out its propositional function (in English), symbolize the propositional function, and then symbolize the singular sentence.
(2 points)

If Dan is Australian he is a surfer.

Propositional Function:

Symbolization of Propositional Function:

Symbolization of the Singular Sentence:

2. Identify the following underlined sentence as a universal statement, an existential statement, or a singular sentence. Circle the Correct Answer (2 points)

Something is wrong. Singular Sentence / Universal Statement / Existential Statement

3. Symbolize the following sentences, using the abbreviations provided.

Dx = x is a Devil; Cx = x is Certain. (2 points each)

a. Devils do not exist.

b. Nothing is certain.

4. Write out the *English* sentence that corresponds to the following symbolization, using the abbreviation provided. You may symbolize in two (or more) steps, but make sure your final answer is in colloquial English (that is, is expressed as someone speaking normal English would express it).

Nx = x comes to an end. (2 points each)

a. $\sim(x) Nx$

b. $\sim(\exists x) \sim Nx$

