### Worksheet Exercise 4.2.A

**Symbolizing Complex Sentences**

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**Part A.** Symbolize the following sentences in the blanks provided. Be sure to symbolize each individual idea used in these sentences with a corresponding predicate letter, and symbolize each negative word.

1. Some problems are difficult. __________________________
2. All students are logical. __________________________
3. Some problems cannot be solved. __________________________
4. No student is omniscient. __________________________
5. Some easy problems can be solved. __________________________
6. All difficult problems can be solved. __________________________
7. No problem is unsolvable. __________________________
8. Some answers are difficult mathematical proofs. __________________________
9. Some unsolvable problems are incomprehensible. __________________________
10. No short answers are adequate solutions. __________________________
11. Not every person is a professional logician. __________________________
12. No person is a professional logician. __________________________
13. If difficult problems exist then logicians exist. __________________________
14. If all problems are difficult, all solutions are long. __________________________
15. Either problems exist, or no logicians have jobs. __________________________
16. Ella is a logician, but all problems are unsolvable. __________________________