

0. Print your name: _____

1. Use a Venn diagram to determine whether or not the following is a valid syllogism:

All math professors wear glasses.

S.B. wears glasses.

Therefore, S.B. is a math professor.

2. Consider the sequence “1,11,111,…” What sort of reasoning is used when you assert that “1111 is the next number” ?

3. Use a truth table to determine when if ever the wff $(p \wedge (\neg q)) \rightarrow q$ is true ?