1. What is a statement? Explain why commands, questions, and opinions are not statements?

A statement is a sentence that is either “true” of “false” but not both at the same time. Commands, questions and opinions are not statement because they either do not have a “truth” value at all or their “truth” value is inconsistent.

2. Describe how the negation of \( p \) is represented in symbols?

\[ \sim p \]

3. Explain how to write the negation of a quantified statement in the form “Some A are B”. Give an example.

The statement becomes \textit{None of the A are B} when it is negated.

\( p \): Some students are going to the mall.
\( \sim p \): None of the students are going to the mall.