Quiz 1 — MGF 3301 Intro. to Adv. Math

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This is a 30 minute quiz. Discuss the problems in your group, and then write down your own answer.

1. Give an example of a mathematical sentence and a sentence that is not mathematical.

2. Write down the negation of the sentence: there is a natural number N such that all prime numbers p are less than N.

3. Give an example of a sentence with two quantified variables, such that if you switch the order of the quantifiers then the sentence is false.