

Math 2283 - Introduction to Logic

Quiz #1 - 2015.08.26

Name: _____

Determine if the following quantified statements are true or false.

1. $\mathbf{A} \mathbf{E} \underset{x}{x^2} + \underset{y}{y^2} > 1$

2. $\mathbf{E} \mathbf{A} \underset{x}{x^2} + \underset{y}{y^2} > 1$

3. $\mathbf{A} \mathbf{E} \underset{x}{x^2} + \underset{y}{y^2} < 1$

4. $\mathbf{E} \mathbf{A} \underset{x}{x^2} + \underset{y}{y^2} < 1$