

Math 223, Quiz 1

Name: _____

- (1) (5 pts) Let $F(a, b)$ be the statement that a is friends with b and let the domain of x, y , and z be all students at Wellesley. Translate the following into English.

$$\exists x \forall y \forall z ((F(x, y) \wedge F(x, z) \wedge (y \neq z)) \implies \neg F(y, z))$$