

Math 2283 - Introduction to Logic

Quiz #5 - 2010.09.20

Name: _____

First, translate the following logical sentence into an English sentence. Then, determine if this statement is true or not.

$$\forall y \left[\exists x (x + 2y = 5) \wedge \forall_{x_1, x_2} \{ \sim [(x_1 + 2y = 5) \wedge (x_2 + 2y = 5)] \vee (x_1 = x_2) \} \right]$$