CSCI 3202 Quiz 2

At the top of the page, please put Quiz 2, your name and student number, and the date.

1. What is the goal of Classification?
2. Let the Linear separating hyperplane be given defined by
$$\hat{y} = \text{sgn}(2x_1 - 3x_2 + 1) \tag{0.1}$$
   What is the equation for the decision boundary?
3. Given equation (0.1), if $(x_1, x_2) = (1,1)$, what is $\hat{y}$?
4. Given equation (0.1), if $(x_1, x_2) = (2,1)$, what is $\hat{y}$?
5. Given equation (0.1), if $(x_1, x_2) = (1,3)$, what is $\hat{y}$?