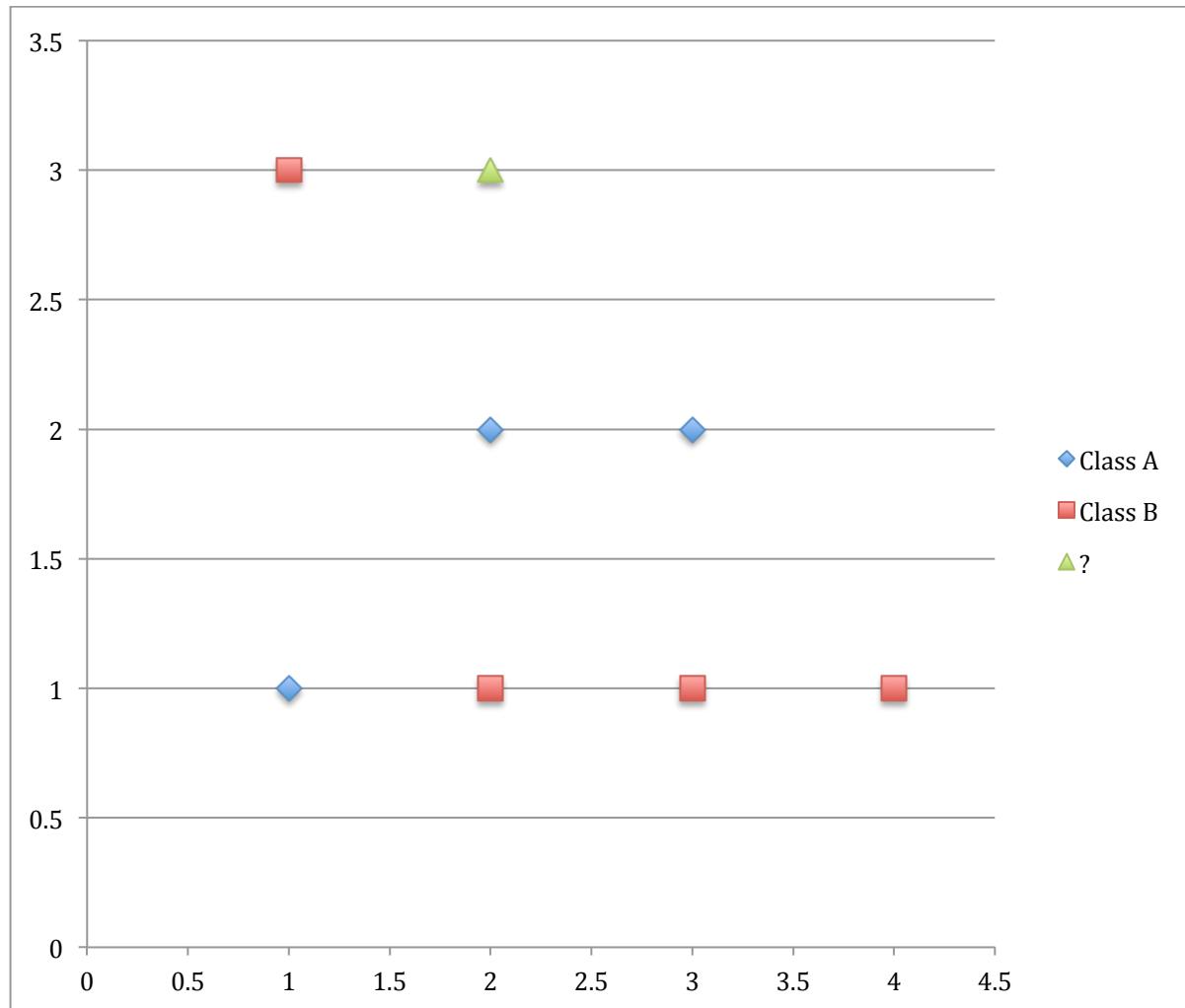


## Worksheet 2: k-Nearest Neighbors in Two Dimensions

The x-axis represents *tumor radius* and the y-axis represents *tumor thickness*. Class A is benign and class B is malignant.



1. Using a 1-nearest-neighbor classifier, should the triangle be assigned to the red or the blue class?
2. How about using a 3-nearest neighbors classifier?