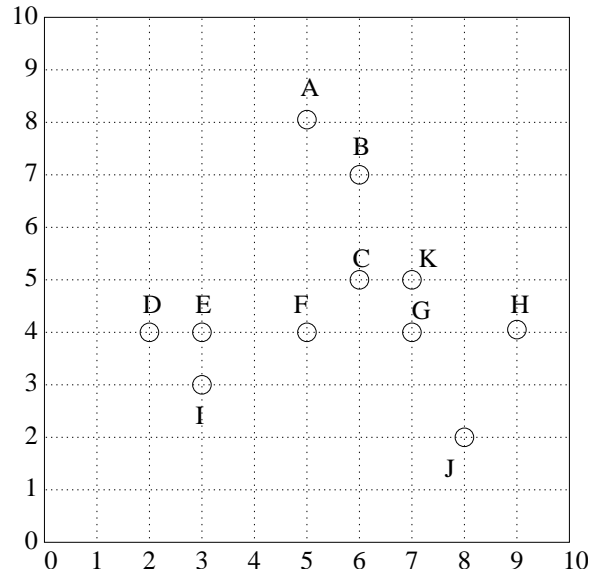


CSCI4390/6390 – Data Mining
Fall 2007, Quiz 10
Total Points: 20

Name: _____

1. For the points shown below, using $\epsilon = 2$, $minpts = 4$, and euclidean distance, find all density-based clusters.



2. Given the points: $\{2, 3, 4, 7, 8, 9\}$. Find the probability density estimate at 4, using $h = 6$, and the discrete kernel:

$$K(z) = \begin{cases} 1 & \text{If } |z| \leq \frac{1}{2} \\ 0 & \text{Otherwise} \end{cases}$$