QUIZ 1 - MATH 102 YOUR NAME:

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Graph the set

 $\{x : x \text{ is a natural number between } -3 \text{ and } 4\}.$

- 2. Consider "the set of all real numbers greater than -1 and less than or equal to 3".
 - (a) Write the set in set notation.
 - (b) Write the set in interval notation.
 - (c) Graph the set on the real line.

- 3. Compute the following and leave your answer in interval notation:
 - (a) $(-\infty, 7] \cup (2, 10] =$

(b) $(-\infty, 7] \cap (2, 10] =$