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. Consider "the set of real numbers greater than -1 and less than or equal to 9". Write this:
 - (a) in **set notation**:
 - (b) in **interval notation**:
 - (c) Graph the set:

- 2. Find the following:
 - (a) $(2,5] \cap (3,+\infty) =$
 - (b) $(-\infty, 3] \cup (1, 6) =$
- 3. Compute the following showing all steps:

(a)
$$5 - 3 \cdot |6 - 4 \cdot 3| =$$

(b)
$$\frac{-6-2(-7)}{7-9} =$$