## QUIZ 3 - 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. Katie drives to class in 20 mins. Her roommate, Rachel, averages 10 mph more than Katie and drives to the same class in 15 mins.
  - (a) Introduce variable(s), explain precisely their meaning and set up an equation reflecting the data.
  - (b) What is Katie's average speed?

2. (a) Solve the linear inequality  $17 - 5x \ge -8$ .

- (b) Write the solution set in interval notation.
- (c) Graph the solution set.