## QUIZ 7 - 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. Solve the equation  $2x - 11x^2 = 6x^3$  by factoring.

2. The sum of the squares of the ages of Maria's two kids is 289. If the boy is seven years older than the girl, then, what are their ages?