Print Name: _____ Circle Section Time: 10 or 11

Math 1100 **Quiz 7** **NO CALCULATORS**

1. [5 points] Find all real solutions to $2x^3 + 4x^2 + 3x + 6 = 0$.
   Hint: Start by applying $ax^3 + bx^2 + cx + d = ax^2(x + b/a) + c(x + d/c)$.

2. [5 points] Graph $f(x) = (x - 2)^2 - 1$. Label at least four points on your graph, including any x or y-intercepts.

3. [5 points] Graph $f(x) = 2/(x - 3)$. Label at least four points on your graph, including any x or y-intercepts.