**Writing Mathematics**

Begin by reviewing section Chapter 0, pages 6–12 in *Mathematical Proofs*. This section is a great guide to writing mathematics clearly. I will ask you to re-read this throughout the semester.

**Instructions.** Find and correct the error(s) of good mathematical writing, if there are any, in each of the following sentences. Use the space provided on this sheet for your correction, if needed.

1. The 3 roots of \(x^3 - x\) are 0, 1, and -1.

2. \(x^2 + x + 7 = 0\) has no real roots.

3. If \(x^2 + 2x - 3 = 0 \Rightarrow x = 1, -3\).

4. There are no even integers \(> 2\) that are prime.

5. Since \(f'(x) = 0\), then \(f(x)\) is a constant function.