

**Math 1100**  
**Quiz 3**  
**No Calculators**

Print Name: \_\_\_\_\_ Circle Section Time: 10 or 11

1. [5 points] State and derive the quadratic formula.

2. [5 points] Find all the roots of  $3x^2 + 5x + 1$ .

3. [5 points] Express  $\frac{5-i}{3+4i}$  in the form  $a+bi$ .