**Math II Homework 3**

**Copy and solve the following problems. SHOW YOUR WORK!**

*Solve each equation. Identify any extraneous solutions.*

1. = 4 2. = 6

Simplify.

3. + 6 4. + 5 - 3

5. (4 + )(3 + ) 6. (3 - )2

7. 2 ∙ 5 8. 3 ∙ 5

9. Find the roots of the equation 4x2 + 4x – 15 = 0.

10. Find the discriminant of the equation 2x2 + 7x – 15 = 0.