

SECONDARY MATH II
STANDARD A.REI.4
QUADRATIC FORMULA WORKSHEET 3.7

NAME _____
DATE _____
CLASS _____

Find the value of the discriminant. Describe the number and type of roots.

1. $x^2 - 8x + 16 = 0$	2. $x^2 - 11x - 26 = 0$
3. $3x^2 - 2x = 0$	4. $x^2 - x + 1 = 0$

Use the quadratic formula to find all solutions to the equation.

5. $x^2 + 8x + 13 = 0$	6. $5x^2 - 6 = 0$
7. $2x^2 - x - 21 = 0$	8. $4x^2 + 12x + 9 = 0$