6.3 Quadratic Formula

Corrective Assignment

NAME:_____

DATE:_____

Find the discriminant. State the number and nature of the solutions for each quadratic below.

1. $-10n^2 + b - 6 = 0$	2. $-b^2 - 4b - 4 = 0$	3. $10n^2 + 9n - 4 = 3$

S0olve using the quadratic formula.

4. $2x^2 + 11x + 9 = 0$	5. $2x^2 + 2x + 10 = 5$

6. $7x^2 + 10 = 12x$

ANSWERS TO CORRECTIVE ASSIGNMENT 6.3

1. Discriminant = -239 No real solutions 2 imaginary solutions	2. Discriminant = 0 1 real solution	3. Discriminant = 361 2 real solutions
4. $x = -1, -\frac{9}{2}$	5. $x = \frac{-1}{2} \pm \frac{3i}{2}$	6. $x = \frac{6}{7} \pm \frac{i\sqrt{34}}{7}$