

Corrective Assignment #2

DATE: _____

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

1. $4r^2 - 4r + 3 = 0$

2. $10a^2 - 8a = 0$

3. $2b^2 - 18b + 7 = -10b - 1$

Solve using the quadratic formula.

4. $6x^2 - 9x = -5$

5. $2x^2 - 9 = 6x + 1$

6. $9x^2 - 6x - 3 = 18x - 19$

ANSWERS TO CORRECTIVE ASSIGNMENT 6.3 #2

1. Discriminant = -32
No real solutions
2 imaginary solutions

2. Discriminant = 64
2 real solutions

6. Discriminant = 0
1 real solution

4. $x = \frac{3}{4} \pm \frac{i\sqrt{39}}{12}$

5. $x = \frac{3}{2} \pm \frac{\sqrt{29}}{2}$

6. $x = \frac{4}{3}$