

ALGEBRA 1
WS 9.6

Name _____
Date _____

Solve using the Quadratic Formula.

Find the discriminant, determine the nature of the roots, solve.

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

a = _____, b = _____, c = _____

Discriminant's Value:

#/Nature of Roots:

Solution:

2. $b^2 - 4b = -4$

a = _____, b = _____, c = _____

Discriminant's Value:

#/Nature of Roots:

Solution:

3. $x^2 + 25 = 8x$

a = _____, b = _____, c = _____

Discriminant's Value:

#/Nature of Roots:

Solution:

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

a = _____, b = _____, c = _____

Discriminant's Value:

#/Nature of Roots:

Solution: