

7. $x^2 + 7x = x - 10$ $a =$ $b =$ $c =$

8. $3x^2 - 5x = 4 - 3x^2$ $a =$ $b =$ $c =$

IRRATIONAL SOLUTIONS

SPECIAL CASE

• where discriminant is _____,

Q.F. in calc' will say _____

because there is _____.

The parabola does _____ hit the _____.

Directions: Solve each equation using the quadratic formula.

Round any decimals to 1 place

9. $x^2 + 4x + 1 = 0$

$a =$
 $b =$
 $c =$

10. $-x^2 + 2x + 7 = 0$

$a =$
 $b =$
 $c =$

11. $x^2 + x + 9 = 20$

$a =$
 $b =$
 $c =$

12. $4x^2 - 7x = +2$

$a =$
 $b =$
 $c =$

13. $x^2 + 3 = 8x - x^2$

$a =$
 $b =$
 $c =$

14. $3x^2 + 6x = 12$

$a =$
 $b =$
 $c =$