Math C

9.3 Practice - part 1 KEY

State the discriminant, and the number and type of solutions to a quadratic equation.

1. discriminant: 20 ; 2 irrational

2. discriminant: -159 ; 2 imaginary

3. discriminant: 1 ; 2 rational

4. discriminant: -7 ; 2 imaginary

5. discriminant: 32 ; 2 irrational

6. discriminant: -20 ; 2 imaginary

7. discriminant: 16 ; 2 rational

8. discriminant: 324 ; 2 rational

9. discriminant: -71 ; 2 imaginary

10. discriminant: 48 ; 2 irrational

11. discriminant: 4 ; 2 rational

12. discriminant: 28 ; 2 irrational