

Name : _____

Discriminant

ES1

Find the discriminant for each quadratic equation.

1) $2c^2 + 5c + 7 = 0$

2) $y^2 - 4y + 9 = 0$

3) $7m^2 + 2m - 4 = 0$

4) $8x^2 - 7x = 0$

5) $6s^2 + 5 = 0$

6) $3w^2 + 8w + 6 = 0$

7) $9r^2 - 8r - 1 = 0$

8) $4a^2 - 1 = 0$

9) $10t^2 + 6t = 0$

10) $5n^2 - 9n + 2 = 0$

Name : _____

Answer key

Discriminant

ES1

Find the discriminant for each quadratic equation.

1) $2c^2 + 5c + 7 = 0$

-31

2) $y^2 - 4y + 9 = 0$

-20

3) $7m^2 + 2m - 4 = 0$

116

4) $8x^2 - 7x = 0$

49

5) $6s^2 + 5 = 0$

-120

6) $3w^2 + 8w + 6 = 0$

-8

7) $9r^2 - 8r - 1 = 0$

100

8) $4a^2 - 1 = 0$

16

9) $10t^2 + 6t = 0$

36

10) $5n^2 - 9n + 2 = 0$

41