

Name : _____

Discriminant

ES3

Find the discriminant for each quadratic equation.

1) $5q^2 + 4 = 0$

2) $6t^2 - t = 0$

3) $9y^2 - 6y + 1 = 0$

4) $7n - 6 = 0$

5) $k^2 - k - 3 = 0$

6) $x^2 - 4x + 4 = 0$

7) $2v^2 + 9v + 11 = 0$

8) $4m + 2 = 0$

9) $7w^2 + 3w = 0$

10) $10b^2 - 5b + 3 = 0$

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Name : _____

Answer key

Discriminant

ES3

Find the discriminant for each quadratic equation.

1) $5q^2 + 4 = 0$

-80

2) $6t^2 - t = 0$

1

3) $9y^2 - 6y + 1 = 0$

0

5) $k^2 - k - 3 = 0$

13

7) $2v^2 + 9v + 11 = 0$

-7

9) $7w^2 + 3w = 0$

9

4) $7n - 6 = 0$

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6) $4m^2 - 5m + 2 = 0$

-8

8) $4m + 2 = 0$

10) $10b^2 - 5b + 3 = 0$

-95