

Name : \_\_\_\_\_

## Discriminant

ES2

Find the discriminant for each quadratic equation.

1)  $7u^2 - 6u + 3 = 0$

2)  $10k^2 + k + 4 = 0$

3)  $4b^2 - 5b = 0$

$= 0$

5)  $3d^2 + 7d - 1 = 0$

$+ 6 = 0$

7)  $8p^2 - 9 = 0$

$c - 5 = 0$

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9)  $5q^2 - q - 2 = 0$

10)  $6r^2 + 10r = 0$

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## Answer key

### Discriminant

ES2

Find the discriminant for each quadratic equation.

1)  $7u^2 - 6u + 3 = 0$

**-48**

2)  $10k^2 + k + 4 = 0$

**-159**

3)  $4b^2 - 5b = 0$

**25**

5)  $3d^2 + 7d - 1 = 0$

**61**

7)  $8p^2 - 9 = 0$

**288**

9)  $5q^2 - q - 2 = 0$

**41**

4)  $10k^2 + k + 4 = 0$

**-159**

**-159**

6)  $10k^2 + k + 4 = 0$

**-159**

8)  $10k^2 + k + 4 = 0$

**104**

10)  $6r^2 + 10r = 0$

**100**

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