



# Discriminant

Name \_\_\_\_\_

Score \_\_\_\_\_

RQ:20

Find the discriminant of each quadratic equation.

1)  $m^2 - 6m - 1 = 0$

2)  $3x^2 - 7x = 0$

3)  $5h^2 + 3 = 0$

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

5)  $2y^2 - y + 10 = 0$

6)  $6n^2 + 5n - 1 = 0$

7)  $z^2 + 3z + 8 = 0$

8)  $4u^2 - 2u - 5 = 0$



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## Answer key

RQ:20

Find the discriminant of each quadratic equation.

1)  $m^2 - 6m - 1 = 0$

**40**

3)  $5h^2 + 3 = 0$

**-60**

5)  $2y^2 - y + 10 = 0$

**-79**

7)  $z^2 + 3z + 8 = 0$

**-23**

2)  $3x^2 - 7x = 0$

**61**

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

**97**

6)  $6n^2 + 5n - 1 = 0$

**49**

8)  $4u^2 - 2u - 5 = 0$

**84**