



# Discriminant

Name \_\_\_\_\_

Score \_\_\_\_\_

RQ:21

Find the discriminant of each quadratic equation.

1)  $5x^2 - 4 = 0$

2)  $3n^2 + 4n + 1 = 0$

3)  $t^2 - 6t + 11 = 0$

4)  $2y^2 - 5y - 7 = 0$

5)  $10m^2 - m - 1 = 0$

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

7)  $6h^2 + 2h + 5 = 0$

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



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## Answer key

RQ:21

Find the discriminant of each quadratic equation.

1)  $5x^2 - 4 = 0$

**80**

3)  $t^2 - 6t + 11 = 0$

**-8**

5)  $10m^2 - m - 1 = 0$

**41**

7)  $6h^2 + 2h + 5 = 0$

**-118**

2)  $3n^2 + 4n + 1 = 0$

**4**

4)  $2y^2 - 5y - 7 = 0$

**81**

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

**-15**

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

**60**