Discriminant

Find the discriminant of each quadratic equation.

1) $2v^2 + 3v + 5 = 0$

2) $t^2 - 9t - 1 = 0$

3) $6x^2 + x - 2 = 0$

4) $3z^2 - 5z + 10 = 0$

5) $n^2 + 2n + 4 = 0$

6) $10h^2 - h = 0$

7) $4m^2 - 9 = 0$

8) $g^2 - 7g + 1 = 0$

Discriminant

Answer key

Find the discriminant of each quadratic equation.

1) $2v^2 + 3v + 5 = 0$

−31

2) $t^2 − 9t − 1 = 0$

−85

3) $6x^2 + x − 2 = 0$

49

4) $3z^2 − 5z + 10 = 0$

−95

5) $n^2 + 2n + 4 = 0$

−12

6) $10h^2 − h = 0$

−39

7) $4m^2 − 9 = 0$

144

8) $g^2 − 7g + 1 = 0$

45