

Discriminant

Find the discriminant of each quadratic equation.

1) $(q - 2)(q + 9) = 0$

2) $1 = -3c^2 - 4c$

3) $5t^2 = 8$

4) $10z^2 - z = 0$

5) $w^2 = 5w + 2$

6) $4(a^2 - a) = -7$

7) $1 = 9y(y - 1)$

8) $6u = u^2$

9) $v^2 + 3 = 2$

10) $3 + 6s^2 = 2s$

11) $2(4b + 3) + 4 = b^2$

12) $1 = 3m + 5m^2$
