Discriminant

Find the discriminant of each quadratic equation.

1) $6x^2 + 3x = 7$

2) $-2a = -5a^2$

3) $9 = p(4 + p) + 5$

4) $2t - 7t^2 = -2$

5) $(y + 1)(y - 8) = 0$

6) $-10s + 2 = 7s^2$

7) $r^2 + 5 = -3r$

8) $n^2 = -4$

9) $9u^2 - 2 = -6u$

10) $5v + 2v^2 = 1 + v$

11) $-8 = 3(w^2 - 1)$

12) $q = 7q^2 + 2$