

Nature of the Roots

Use the discriminant to find the nature of the roots.

1) $8c^2 - c + 3 = 7c^2$

2) $2t^2 - 3 = -5t$

3) $p^2 - 4p + 4 = 0$

4) $r^2 - r = -3(r - 2)$

5) $2h^2 + 9h = -8$

6) $d(d + 1) = 6(d - 2)$

7) $8m + 3 = 2m^2 + 6$

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