

# Nature of the Roots

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Use the discriminant to find the nature of the roots.

1)  $8x^2 + 4x - 1 = 0$

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

3)  $6w^2 + w + 2 = 0$

4)  $3d^2 - 9d - 7 = 0$

5)  $7r^2 + 8 = 0$

6)  $5m^2 - 10m + 5 = 0$

7)  $v^2 - 6v + 9 = 0$

8)  $4b^2 - 5b = 0$