

Nature of the Roots

1) Find the values of k if the equation $ky^2 + 4y + 2 = 0$ has real roots.

2) What are the values of d if the roots of the equation $5a^2 - 6a + d = 0$ are real

Preview

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3) What are the values of r if the roots of the equation $ax^2 + bx + c = 0$ are complex

4) If the roots of the equation $ax^2 + bx + c = 0$ are real and unequal, what are the values of r ?

5) If $9s^2 + rs + \frac{1}{4} = 0$ has real and unequal roots, what are the values of r ?
