

- 5 Find the solution of the following equations in the set of complex numbers using the general formula.

A $x^2 - 4x + 5 = 0$

B $2x^2 + 6x + 5 = 0$

C $3x^2 - 7x + 6 = 0$

D $4x^2 - x + 1 = 0$

- 6 Find the value of K in each of the following cases:

A If the two roots of the equation $x^2 + 4x + K = 0$ are real different.

B If the two roots of the equation $x^2 - 3x + 2 + \frac{1}{K} = 0$ are equal.

C If the two roots of the equation $Kx^2 - 8x + 16 = 0$ are complex and not real.