



Explain the technique of substitution (K-method)

by solving the following equations:

$$(x^2 + 2x)^2 - 7(x^2 + 2x) - 8 = 0$$

$$x^2 - x + \frac{12}{x(x-1)} = 8$$

$$x^2 + 2x - 11 + \frac{24}{x^2 + 2x} = 0$$

$$3x^2 - 6 = \frac{7}{x(2x-4)} + 4x$$