

Use Substitution To Produce Quadratic Equation

$$y'' + 7x^5 + 10 = 0$$
 $(x^5)^2 + 7(x^3) + 10 = 0$
 $y = x^5$
 $(y^2) + 7(y) + 10 = 0$
 $(y^2 + 7y + 10 = 0$
 $(y + 5)(y + 2) = 0$
 $y + S = 0$
 $y + S = 0$
 $y = x^5$
 y