

IX: 2ABA
$$\gamma''' - 6\gamma'' + 11\gamma' - 6\gamma = 3x$$

HOMOGÉNEA => $\gamma''' - 6\gamma'' + 11\gamma' - 6\gamma' = 0$; 3

SOLUÇÃO => $\gamma_1 = \alpha$; $\gamma_2 = \alpha$ E $\gamma_3 = \alpha^{3x}$; 2

SOLUÇÃO PLEMENTAR => $\gamma_2 = \alpha$ E $\gamma_3 = \alpha^{3x}$; 3

SOLUÇÃO PRETICULAR => $\gamma_2 = -\frac{11}{12} - \frac{1}{2}$; 3

SOLUÇÃO PRETICULAR => $\gamma_3 = -\frac{11}{12} - \frac{1}{2}$; 3

SOLUÇÃO PRETICULAR => $\gamma_4 = -\frac{11}{12} - \frac{1}{2}$; 3

NÃO-HOMOGÉNEM $\gamma_1 = \alpha_1 = \alpha_2 = \alpha_2 = \alpha_3 = \alpha_4 = \alpha_4 = \alpha_5 = \alpha_5$

$$|08(x) = |1 (x);$$

$$|08(x) = \frac{1}{x};$$

NAU-APLICATEL

EX1 - RESOLUA /144y - 27 = 2x - 3x + 6 SOL GERM: /= /c +(/2) > PROWRAR! 45 SOCIADA EQ, HOMO GENEA ● 03TENDO /E: 7"+4y'-2y=0; (m/2+4m-2).cmx=0, " M°+4M-2=0 6 $\Delta = 16 - 4.1(-2) \Rightarrow \Delta = 16 + 8 = 24 \Rightarrow M$ $M = \frac{-4 \pm \sqrt{24'}}{2!} = \frac{-4 \pm \sqrt{4.6'}}{2} = \frac{-4 \pm 2.\sqrt{6'}}{2};$ M1 = -2 + J6 = M2 = -2 - J6 +60. I => /= C1. C + C2. C $7 = G. Q + G_2. Q + G_2. Q$ 6 037ENDO /p : g(x) = 2x-3x+6 => TENTA: /p=Ax+Bx+c) POLINGMIO 2º 6RAU 4 COEFICIENTES IN DETERMINADOS

$$7_{\beta} = 4x^{2} + 8x + C \implies 7' = 2Ax + B;$$

$$2M = 2A$$

$$2M = 2M = 2X - 3x + 6;$$

$$2A + 4[2Ax + B] - 2[AX^{2} + 8x + C] = 2X^{2} - 3x + 6;$$

$$2A + 8Ax + 4B - 2Ax^{2} - 2Bx - 2C = 2X^{2} - 3x + 6;$$

$$2A + 8Ax + 4B - 2Ax^{2} - 2Bx - 2C = 2X^{2} - 3x + 6;$$

$$2A + 8Ax + 4B - 2Ax^{2} - 2Bx - 2C = 2X^{2} - 3x + 6;$$

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$$2A + 8Ax + 4B - 2Ax^{2} - 2Bx - 2C = 2X^{2} - 3x + 6;$$

$$2A + 8Ax + 4B - 2Ax^{2} - 2Bx - 2C = 2X^{2} - 3x + 6;$$

$$2A + 8Ax + 4B - 2C = 6$$

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$$2B = -3+8$$

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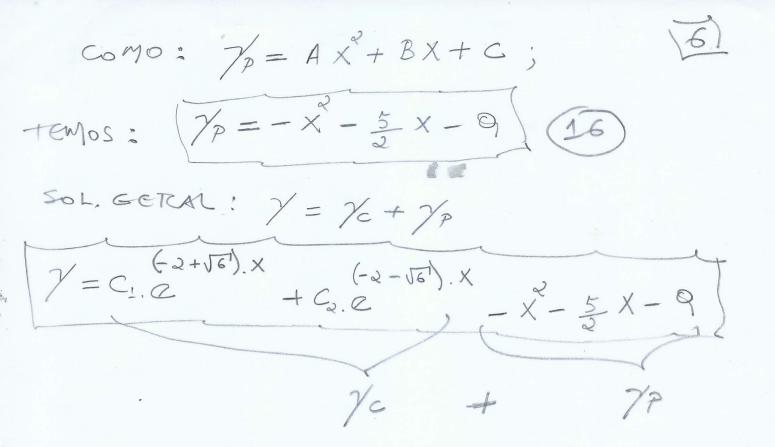
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-2-10-6=2c=)c=-9



$$ay'' + by' + Cy = g(x)$$

•
$$g(x) = \cos(\alpha, x)$$
, $\gamma_p = A. \cos(\alpha, x)$ $\sum_{i=1}^{\infty} a_i dx$

$$S(x) = SEN(\alpha, x)$$

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