1/2

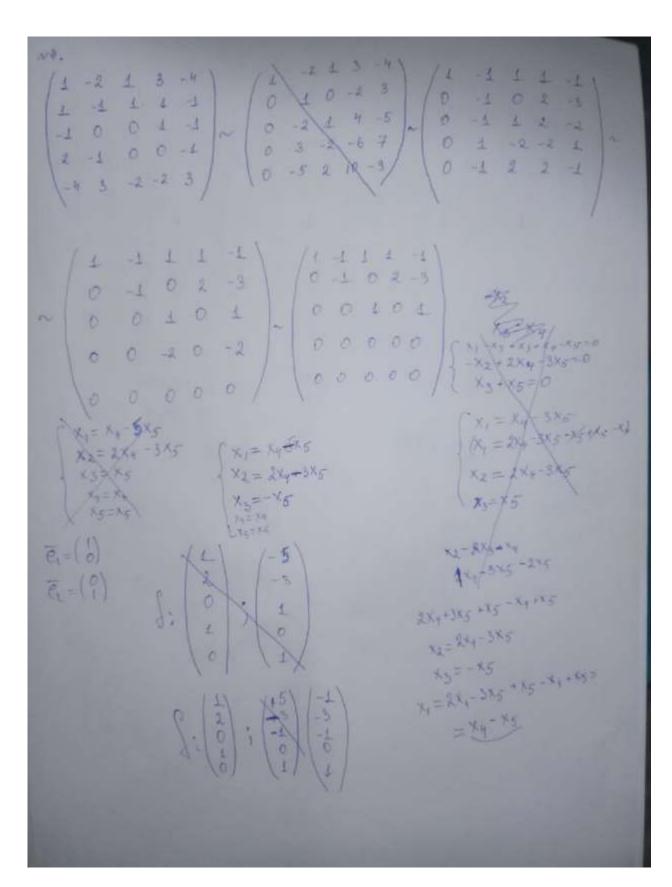
$$\begin{pmatrix} 1 & 1 & -4 & -2 & 9 \\ -1 & 0 & 2 & \Delta & -5 \\ 1 & 0 & -1 & -1 & 3 \\ -1 & -2 & 7 & 3 & 15 \\ -3 & -4 & 15 & 7 & -33 \end{pmatrix} \sim \begin{pmatrix} 1 & 1 & -4 & -2 & 9 \\ 0 & 1 & -2 & -1 & 4 \\ 0 & -1 & 3 & 1 & -6 \\ 0 & -1 & 3 & 1 & -6 \\ 0 & -1 & -2 & -1 & -6 \end{pmatrix} \sim \begin{pmatrix} 1 & 1 & -4 & -2 & 9 \\ 0 & 1 & -2 & -1 & 1 \\ 0 & 0 & -4 & -2 & 2 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$

75-75

$$X_{1} = -10X_{3} - 5X_{4} + 9X_{3} + 2X_{4}$$

$$X_{2} = 2X_{3} + X_{4} + 9X_{3} + 9X_{4} = 10X_{3} + 5X_{5}$$

$$X_{5} = -2X_{3} - X_{4}$$



116.

$$\frac{3\sqrt{-5+2}}{-7+52} = \frac{5+2/(-7+52)}{16+25} = \frac{13:145}{41} = \frac{15}{41} + \frac{29}{41} i$$

$$\frac{5+2}{16+25} = \frac{16+25}{16+25} = \frac{13:145}{41} = \frac{15}{41} + \frac{29}{41} i$$

$$\frac{1}{2} = \sqrt{225+28^2} / 41 = \frac{\sqrt{1000}}{41}$$

$$\frac{1}{2} = \sqrt{\frac{3\sqrt{1000}}{11}} \cdot \left(\frac{15}{\sqrt{1000}} + \frac{29}{\sqrt{1000}}\right) + i \sin(-\frac{15}{\sqrt{100}})$$

$$\frac{\sqrt{1000} \cdot 15}{\sqrt{10}} = \frac{\sqrt{1000} \cdot 23}{\sqrt{11}} \cdot \sqrt{1000}$$

$$\frac{\sqrt{15}}{\sqrt{15}} = \frac{15}{\sqrt{10}} \cdot \sqrt{1000}$$

$$\frac{\sqrt{15}}{\sqrt{15}} = \frac{\sqrt{15}}{\sqrt{15}} = \frac{15}{\sqrt{1000}}$$

$$\frac{\sqrt{15}}{\sqrt{15}} = \frac{13:145}{41} = \frac{15}{41} + \frac{29}{41}$$

$$\frac{1}{2} = \sqrt{25+9} = \sqrt{347}$$

$$\frac{1}{2} = \sqrt{25+9} = \sqrt{347}$$

$$\frac{1}{2} = \sqrt{25+9} = \sqrt{347}$$

tgy=-3