## 4 pox 8 A3

1 Pennin whenty want

Penner aumogan Chosmps, Hosbumes on MHO"

= -48-72 +84 +96 = 60

= 0-576-36+12+48 =-552

= 18-6-432+504+12-42 = 54

= -16-8+28+384=388

$$y = \frac{\Delta y}{\Delta} = \frac{54}{60} = \frac{9.4}{10.6} = \frac{9}{10} = 0.9$$

$$z = \frac{\Delta_{L}}{\Delta} = \frac{388}{60} = \frac{97.4}{18.47} = \frac{97}{15} = \frac{6.15+7}{15} = \frac{5}{15} = \frac{7}{15} = \frac{1}{15} =$$

Our feur: (-9,2,0,9,6,46(6))

3-6 pacine

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poscueupe to the or augus puryor, of preyobstation upus congustrateur in acteobstració monther permops is upostor usum.  $R(A) = \begin{vmatrix} 1 & 23 \\ 45 & 6 \end{vmatrix} \Rightarrow \begin{vmatrix} 4 & 23 \\ 45 & 6 \end{vmatrix} \Rightarrow \begin{vmatrix} 12 & 3 \\ 45$  $\Rightarrow \begin{vmatrix} 1 & 23 \\ 0 & 92 \\ 0 & -6 & 12 \end{vmatrix} \times (-6) \Rightarrow \begin{vmatrix} 1 & 23 \\ 0 & -6 & 12 \end{vmatrix} \Rightarrow \begin{vmatrix} 1 & 23 \\ 0 & -6 & 12 \end{vmatrix} \Rightarrow \begin{vmatrix} 1 & 23 \\ 0 & -3 & -6 \\ 0 & 000 \end{vmatrix}$ tutigator curpon 2 => p(A)=2  $R(c) = \begin{vmatrix} 123 & 12 & | \times 4 & | & 48 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 & | & 2 &$  $= \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -3 & -6 & -46 \\ 0 & -6 & -12 & -83 \end{cases} | +3 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & 1 & 2 & 463 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \\ 0 & -6 & -12 & -83 \end{cases} | +6 = \begin{cases} 1 & 2 & 3 & 12 \\ 0 & -6 & -12 & -83 \\ 0 &$  $= > \begin{vmatrix} 1 & 2 & 3 & 12 \\ 0 & 1 & 2 & 46 \\ 0 & 0 & 0 & 9 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 12 \\ 0 & -3 & -6 & -46 \\ 0 & 0 & 0 & 9 \end{vmatrix}$ to tight bonk curpok 3 => 2(c)=3 une. R(A) \( \alpha(C), mo cu currens per mener permeters, m. v. one in colour sell turing petition montpages compuerer be uno pour.  $P(C) = \begin{vmatrix} 1232 \\ 4868 \end{vmatrix} = \begin{vmatrix} 48128 \\ 4868 \end{vmatrix} = \begin{vmatrix} 1232 \\ 4868 \end{vmatrix} = \begin{vmatrix}$  $= > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & -3 & -6 & -3 \\ 0 & -6 & -12 & -6 \end{vmatrix} : (-3) = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 4 & 2 & 4 \\ 0 & -6 & -12 & -6 \end{vmatrix} > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & -6 & -12 & -6 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 0 & 0 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 1 & 2 & 4 \end{vmatrix} = > \begin{vmatrix} 1 & 2 & 3 & 2 \\ 0 & 1 & 2 & 4 \\ 0 & 1 & 2 & 4 \end{vmatrix}$ => | 2 3 2 0 -3 -6-3 0 0 0 0 to trigingous any pole 2 => b(c') = 5 m.k. b(A) = b(C'), mo mornous culturens ument penertue

 $\begin{cases} x_{1} + 2x_{2} + 3x_{3} = 2 & \begin{cases} x_{1} + 2x_{2} + 3x_{3} = 2 & \begin{cases} x_{1} = 2 - 2x_{2} - 3x_{3} \\ -3x_{2} - 6x_{3} = -3 \end{cases} & \begin{cases} x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{2} - 3x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2 - 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2x_{3} \\ x_{2} = 1 - 2x_{3} \end{cases} & \begin{cases} x_{1} = 2x_{3} \\ x_{2} = 1$ 

Dube  $u : upu b = \begin{vmatrix} 12 \\ 2 \end{vmatrix}$  perus freus meur  $upu b = \begin{vmatrix} 2 \\ 3 \end{vmatrix}$   $\times = \begin{vmatrix} 4 \\ 4 - 273 \end{vmatrix}$ 

- (9) B prine
- (5) B provide
- 6 B pagn