Assosiert matrise 
$$A = \begin{bmatrix} 1 & 2 & -1 & 3 \\ 2 & 3 & -3 & -1 \\ -1 & 2 & 3 & 1 \end{bmatrix}$$

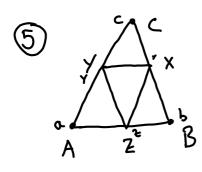
>> rref(A)

ans =

(a) 
$$X-y+2z=3$$
  
 $2x-2y=4$   
 $-3x+2y+z=0$ 

$$A = \begin{bmatrix} 1 & -1 & 2 & 3 \\ 2 & -2 & 0 & 4 \\ -3 & 2 & 1 & 0 \end{bmatrix}$$

>> rref(A)



Vi hou oppgitt temp.

a,b 29 c i A, B a9 C,

B m skal finne temp. og skal finne temp.

x, y, 2 c X, Y, 2,

nar temp. e gjennomsnittet au kmp. i nabopunktere.

$$z = \frac{1}{4}(a+b+x+y)$$
 (i)  $x - \frac{1}{4}y - \frac{1}{4}z = \frac{1}{4}(b+c)$ 

$$(ii) - \frac{1}{4}x + y - \frac{1}{4}z = \frac{1}{4}(a+c)$$

$$\left( \ddot{1}\ddot{1}\dot{1}\right) - \frac{1}{4}X - \frac{1}{4}y + 7 = \frac{1}{4}\left( a+b\right) .$$

$$A = \begin{bmatrix} 1 & -\frac{1}{4} & -\frac{1}{4} \\ -\frac{1}{4} & 1 & -\frac{1}{4} \\ -\frac{1}{4} & 1 & \frac{1}{4} \end{bmatrix} \xrightarrow{\frac{1}{4}(a+c)} \frac{1}{4}(a+c)$$

$$1 \text{ matriab} \quad C = B = \begin{bmatrix} 1/5 & 2/5 & 2/5 \\ 2/5 & 6/5 & 2/5 \\ 2/5 & 2/5 & 6/5 \end{bmatrix}$$