```
\frac{Oppgavar;}{4.1: 1, 3, 4, 5}

\frac{4.1: 1, 3, 4, 5}{4.2: 1, 2a, 4}, 3, 6, 9, 10}

\frac{4.3: 1, 2a, c}{4.3: 1, 2a, c}, 3a, 4, 6, 7}

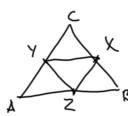
\frac{4.4: 1a, c}{4.4: 1a}, c, d, 2, 4, 5

\frac{4.1.1}{4.4: 1a}, 4, 2, 2 = 3

2x+3y-3z=-1

-x+2y+3z=1
```

4.1.5 :



Temprotur: X=X -11- Y=Y -11- Z=Z X = shittlemprotur or punulem C, B, Z, Y

= \frac{C+b+z+y}{4}

Y = \frac{a+c+z+x}{4}

Z = \frac{a+b+y+x}{4}

4x = C+b+2+4 4y = atc+2+x 4z = a+b+4+x

X = -4 + 4z - a - b fro air) selt inn i (.eas. i) 4(-4 + 4z - a - b) - 4 - z - c + b-44 + 16z - 4(a + b) - 4 - z - c + b

Sett in i luning ii), etc, etc. $Y = \frac{2(b+c)+a}{5}$, $Y = \frac{2(a+b)+c}{5}$

49)4c 12 c+p+A(a+p)-1e5/-2 -e1 + 1e5 = c+p+A(a+p)

$$\frac{42.3:}{2x+4+2z=1} \times \frac{1}{-2x-4+2z=0} \times \frac{1}{-2} = \frac{1}{-1} = \frac{1}{0} = \frac$$

4.3.4:
$$x_1 x_2 x_1 z_2 = b_1$$
 $x_1 x_2 x_1 x_2 = b_2$ $x_2 x_1 x_2 x_2 = b_2$ $x_3 x_1 x_2 = b_2$ $x_4 x$

4.45:
$$C = \begin{pmatrix} 1 & 0 & 1 & 1 \\ 2 & 1 & 0 & 2 & 3 \\ -1 & 1 & 3 & \alpha \end{pmatrix}$$
a) reduser C (i.d. trappeterm
$$b) b = \begin{pmatrix} 3 & 1 & 1 & 1 \\ 3 & 1 & 1 & 1 & 1 \\ 4 & 1 & 1 & 1 & 1 \end{pmatrix}$$

$$Ax = b$$

$$Ax = a = 0$$

$$Ax = a$$

4