CAFOUREK

Poced loveni je 2

2)(a) 
$$x^{2}-4=0$$
  
(b)  $x^{2}+5x-3=0$   
(c)  $x^{2}+5x-3=0$   
(d)  $x^{2}+4=0$ 

3) 
$$x^4 - 4x^3 + 4x^2 - 4x + 3$$
;  $x \in \mathbb{R}$ 

$$(x^4-4x^3+4x^2)(4x+3):(x^2-4x+3)=x^2+1$$
  
 $x^2-4x+3$ 

1 ±1, ±3

$$x^4 - 4x^3 + 4x^2 - 4x + 3 = (x-1)(x-3)(x^2+1)$$
  $K = \{1, 3\}$ 

4) 
$$x^4 - 4x^3 + 4x^2 - 4x + 3$$
  $x \in \mathbb{C}$ 

(MGA) (Me  $(x-1)(x-3)(x^2+1)$  ( $(x^2-1)(x-1)$ )  $= (x^2-1)(x-1)$ 

$$(x-1)(x-3)(x+i)(x-i)$$

CAFOUREK 5) (a)  $(x-1)(x-2)(x-3) = (x^2-3x+2)(x-3) = x^3-3x^2-3x^2+9x+2x-6$  $= x^3 - 6x^2 + 11x - 6$ (b) White  $(x-1)^2(x+2)^3 = (x^2-2x+1)(x^3+6x^2+12x+8) =$  $= x^{5} + 6x^{4} + 12x^{3} + 8x^{2} - 2x^{4} - 12x^{3} - 24x^{2} - 16x + x^{3} + 6x^{2} + 12x + 8 =$ T=R = x5+4x4+x3-10x2.-4x+8

(d)  $(x-1)(x-i) = x^2 - ix - x + i = x^2 - x - ix + i$ 

CAFOUREK

$$-19y = -38$$
 (4-19)

$$\frac{y=2}{2\times + 2\cdot 3 = 8} \quad K=\{[1,2]\}$$

$$x = 1$$

(c) 
$$2x+3y=8$$
 1.5

$$-10x - 15y = -40$$

resenim json všechna R.

$$y + z = 12$$
 /(2)

$$2y + 2z = 4$$

$$0 = 0$$

$$2x + 3y = 8 / (-2)$$

$$4x + 6y = 8$$

$$0 \neq -8$$

(f) x+2y+3z = 5 -2x-4y-6z = -10 .4x+3y+12z = 20 0 = 0

0 = 0 0 = 0 K = 1R

1.2 } @ 1.2 } @