23() 
$$\frac{1}{6} \times^2 - \frac{5}{4} \times + \frac{3}{2} = 0$$

brachfrei meden

$$+4N=12$$
 $2x^2-15x+18=0$ 

Identifizieren der Zahlen a, b, c

=> 
$$\times = \frac{15 \pm \sqrt{(-15)^2 - 4 \cdot 2 \cdot 18}}{2 \cdot 2}$$

Lösnigs formel

$$= \begin{cases} \frac{15+9}{4} = \frac{21}{4} = 6 \\ \frac{15-5}{4} = \frac{6}{4} = \frac{3}{2} \end{cases}$$

$$246)$$
  $2x^2 - \sqrt{2}x + \frac{1}{4} = 0$ 

bruchfrer machen

$$a = 8$$
  $b = -4\sqrt{2}$   $c = 4$ 

I dentifizuren der Zahlen a, b, c

$$= \frac{4\sqrt{2} \pm \sqrt{4^2 \cdot \sqrt{2}^2 - 4 \cdot 8}}{2 \cdot 8} = \frac{4\sqrt{2} \pm \sqrt{4^2 \cdot 2 - 4^2 \cdot 2}}{2 \cdot 8}$$

$$= \frac{4\sqrt{2} \pm \sqrt{0}}{2.8} = \frac{4\sqrt{2}}{2.8} = \frac{1}{4}\sqrt{2}$$

Normalform for Worgelterne

$$\frac{376}{3} - \frac{x^2 + x + 1}{5} = 1 - x$$
 brichfrû midden

$$6) \quad 10 \times + 5 - 3 \times^{2} - 3 \times - 3 = 15 - 15 \times$$

(3)

(=) 
$$7 \times - 3 \times^2 + 2 = 45 - 45 \times 3$$

+ ASY

(=)  $22 \times - 3 \times^2 - 43 = 0$ 

(=)  $3 \times^2 - 22 \times + 43 = 0$ 

(=)  $3 \times^2 - 22 \times + 43 = 0$ 

(=)  $4 \times - 4 \times$ 

ohne  $= \frac{22 \pm \sqrt{4} \sqrt{82}}{2 \cdot 3} = \frac{2 \cdot (41 \pm \sqrt{82})}{2 \cdot 3} = \frac{11 \pm \sqrt{82}}{3}$ TR  $=\frac{11}{3}\pm\frac{1}{3}\sqrt{82}$ 

Normalform für Wurgelterme