

Potenze d^r 10

$$10^m \quad m \in \mathbb{Z}$$

$$10^2 = 10 \cdot 10$$

$$10^{-1} = \left(\frac{10}{1}\right)^{-1} = \left(\frac{1}{10}\right)^1 = \frac{1}{10}$$

$$10^{-2} = \frac{1}{10^2} = \frac{1}{100}$$

$$10^{-3} = \frac{1}{10^3} = \frac{1}{1000}$$

$$10^2 \times 10^3 = 10^5$$

$$10^4 \times 10^{-2} = 10^{4+(-2)} = 10^2$$

$$10^{-2} \times 10^{-3} = 10^{-2+(-3)} = 10^{-5}$$

$$10^3 : 10^{-4} = 10^{3-(-4)} = 10^7$$

Es. p. 27 n. 57

$$\begin{aligned} & \frac{12 \times 10^8}{4 \times 10^3} + (0,5 \times 10^3)^2 - (6 \times 10^1) \times (9 \times 10^{-6}) \\ &= 3 \times 10^5 + \left(\frac{5}{10} \times 10^3 \right)^2 - 54 \times 10^5 = \\ &= \underline{\underline{3}} \times 10^5 + \underline{\underline{25}} \times 10^4 - \underline{\underline{54}} \times 10^5 = \\ &= 30 \times 10^4 + 25 \times 10^4 - 540 \times 10^4 = \\ &= -485 \times 10^4 = -4,85 \times 10^6 \end{aligned}$$

$$25 \times 10^4 = 250 \times 10^3$$

→ Sum.

$$25 \times 10^4 = 25 \times 10^5$$

← Sum.

Equation

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

$$2x + 2 + 3x - 6 = 12x - 4$$

$$2x + 3x - 12x = -2 + 6 - 4$$

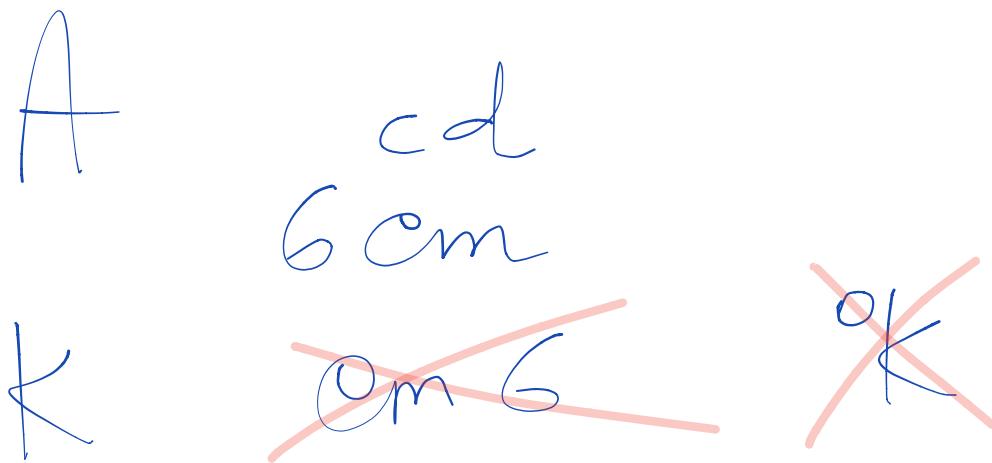
$$-7x = 0$$

$$x = \frac{0}{-7}$$

$$x = 0$$

$$0_{2e} = -\gamma \text{ imposs.}$$

$$0_{2e} = 0 \text{ indet.}$$



A Ampere unit
Ampere force

7,3 A

10^3 Kilo 10^2 etto 10^1 dees

to

 $\frac{1}{10} = 10^{-1}$ dee' 10^{-2} centi 10^{-3} milli 10^{-6} micro 10^{-9} nano