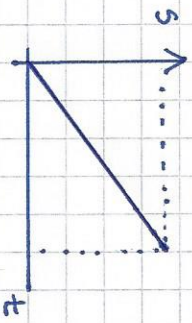
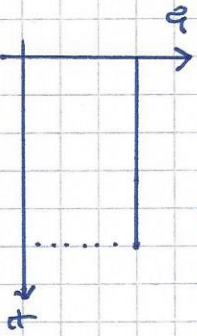


JEDNOLIKO GIBANJE

a) s,t graf



b) v,t graf $\Rightarrow v = \text{stalna}$



FORMULA:

$$v = \frac{s}{t}$$

izvedene formule:

$$s = v \cdot t$$

$$t = \frac{s}{v}$$

$$\frac{\text{km}}{\text{h}} \xrightarrow{\cdot 3,6} \frac{\text{m}}{\text{s}}$$

$$\frac{\text{m}}{\text{s}} \xrightarrow{\cdot 3,6} \frac{\text{km}}{\text{h}}$$

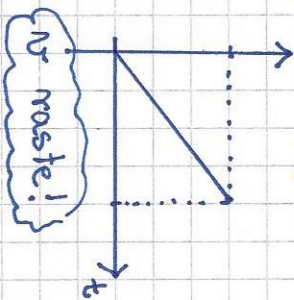
VAŽNO!

tielo miruje!

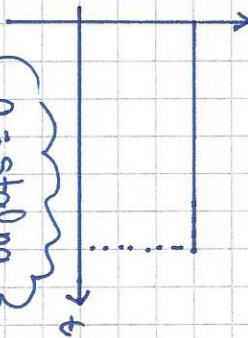


JEDNOLIKO UBRZANO GIBANJE

a) v,t graf



b) a,t graf



FORMULA:

$$a = \frac{\Delta v}{\Delta t}$$

$$\Delta v = v_{\text{kon}} - v_{\text{poč}}$$

izvedene formule:

$$a = \frac{v}{t}$$

$$\Rightarrow v = a \cdot t$$

$$t = \frac{v}{a}$$

II. NEWTONOV ZAKON

$$F = m \cdot a$$

$$\Rightarrow a = \frac{F}{m}$$

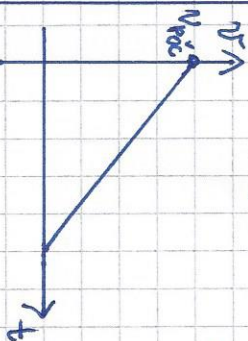
$$m = \frac{F}{a}$$

SPEDNYA BRZINA

$$\bar{v} = \frac{\Delta s}{\Delta t}$$

JEDNOLIKO USPORENO GIBANJE

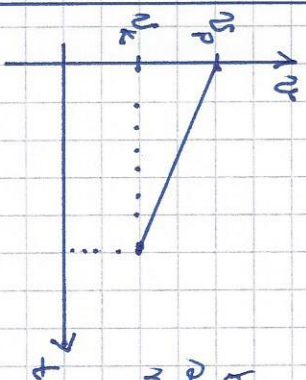
a) v,t graf



tielo se zaustavilo

brzina se smanjila s v_{kon} na $v_{\text{kon}}!$

b) a,t graf



a je stalna $a < 0$

$$a = \frac{\Delta v}{\Delta t}$$

$$\Delta v = v_{\text{kon}} - v_{\text{poč}}$$