EL GALPICO REPORTSONTO OR MOVIELLON nacca se un tren A) Deterning to the on the contracto to capa b) Perenteina LA Accountered en casa interimo d) Garriera X=f(t) y a=f(t) sisienso ave XT = Dm Y(m/s)

3 6 9 12 15 +(5)

a) 17.2.0.4

3 17.12.0

3) 17. R. U. N

b) $a = \frac{\Delta U}{\Delta t} \cdot \frac{Vf}{tf - VI}$ (5 $a = \frac{20 - 0}{6 - 0} \cdot \frac{20 - 3.3}{6 - 0} \cdot \frac{3.3}{5} \cdot \frac{m/s^2}{5}$

$$\frac{20}{2} = \frac{20 - 20}{12 - 6} = \frac{0}{6} = 0 \text{ m/s}^2$$

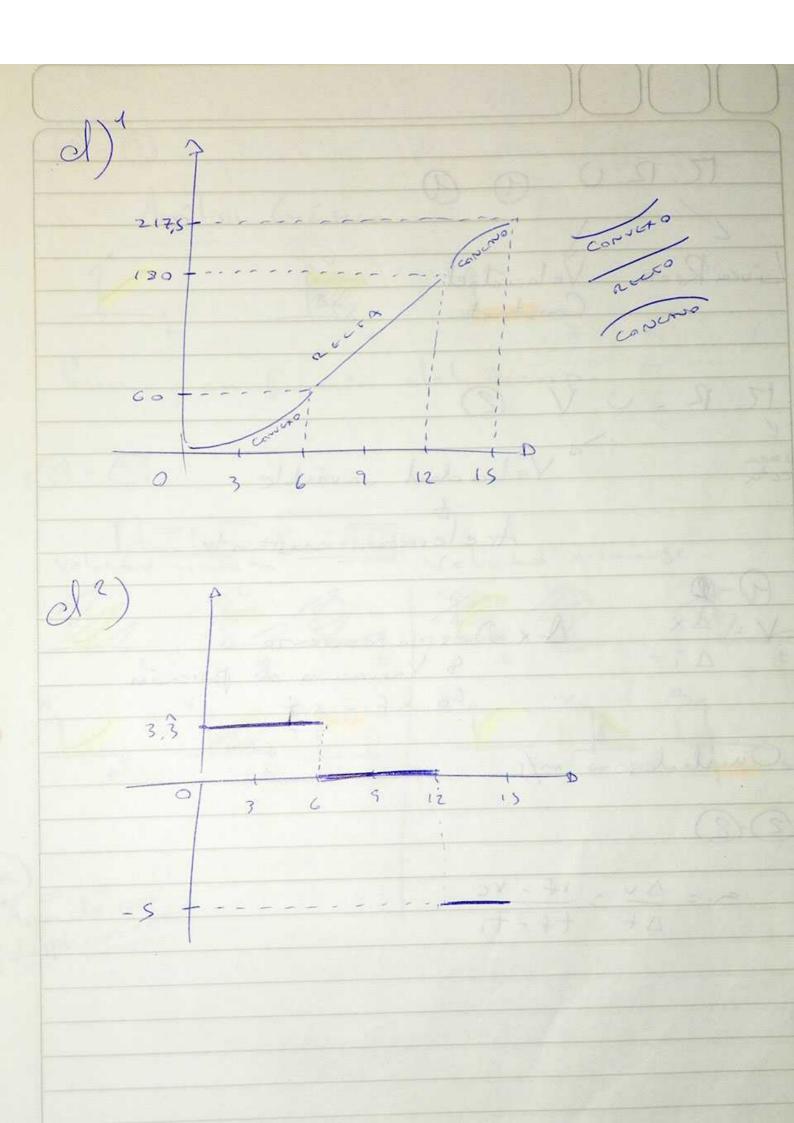
$$\frac{3}{15-12} = \frac{5-20}{-15} = \frac{-15}{3} = \frac{-5 \text{ m/s}^2}{3}$$

J Sicreme ave in voracions sistemores

(o) La Acordonesia on |

(NOUTT VA)

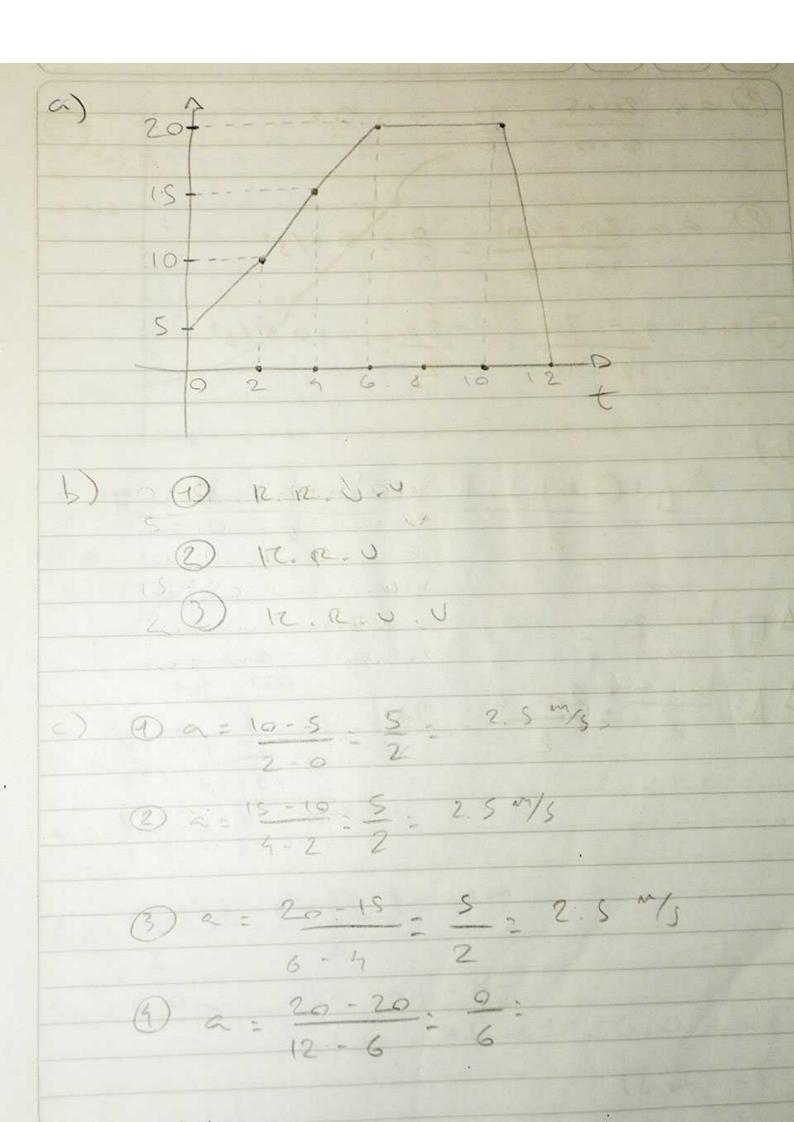
Anara



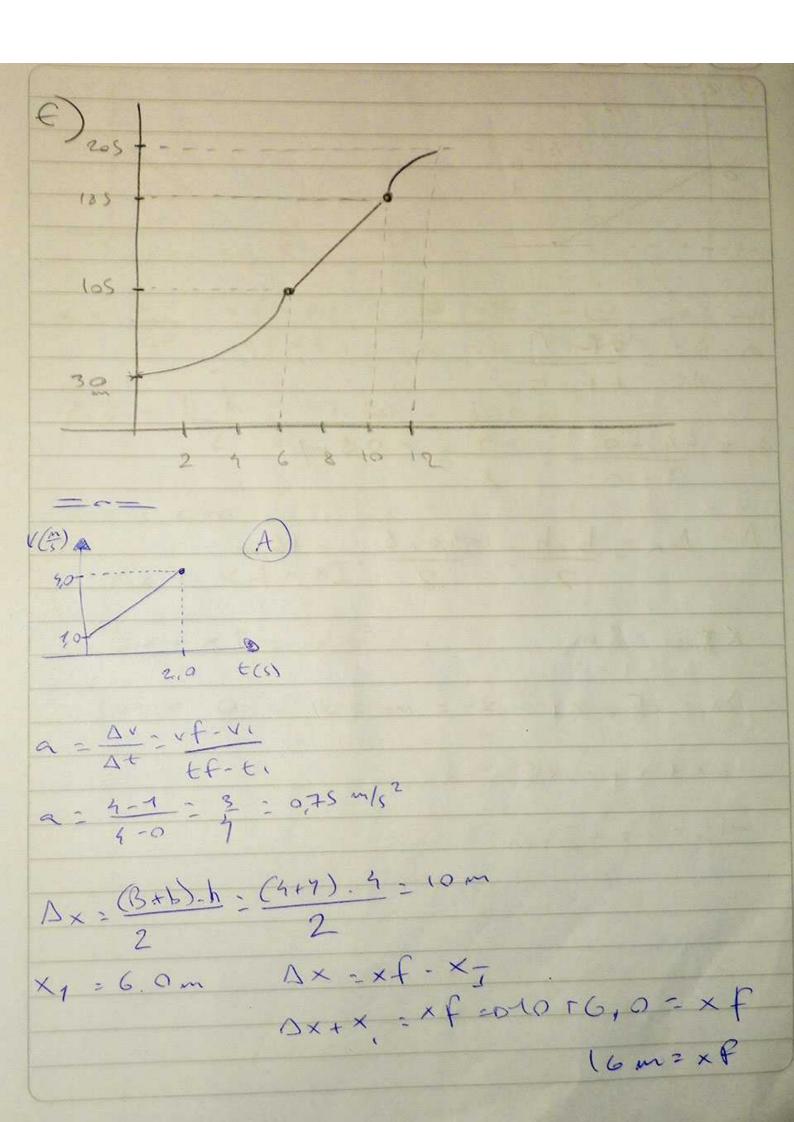
Livea Reeta Velocadad 9-2 V: VX Ax 3Despic zamiento & Yarracin de possain (0 xf - xj Onislades = o m/s a = Du = vt - vc

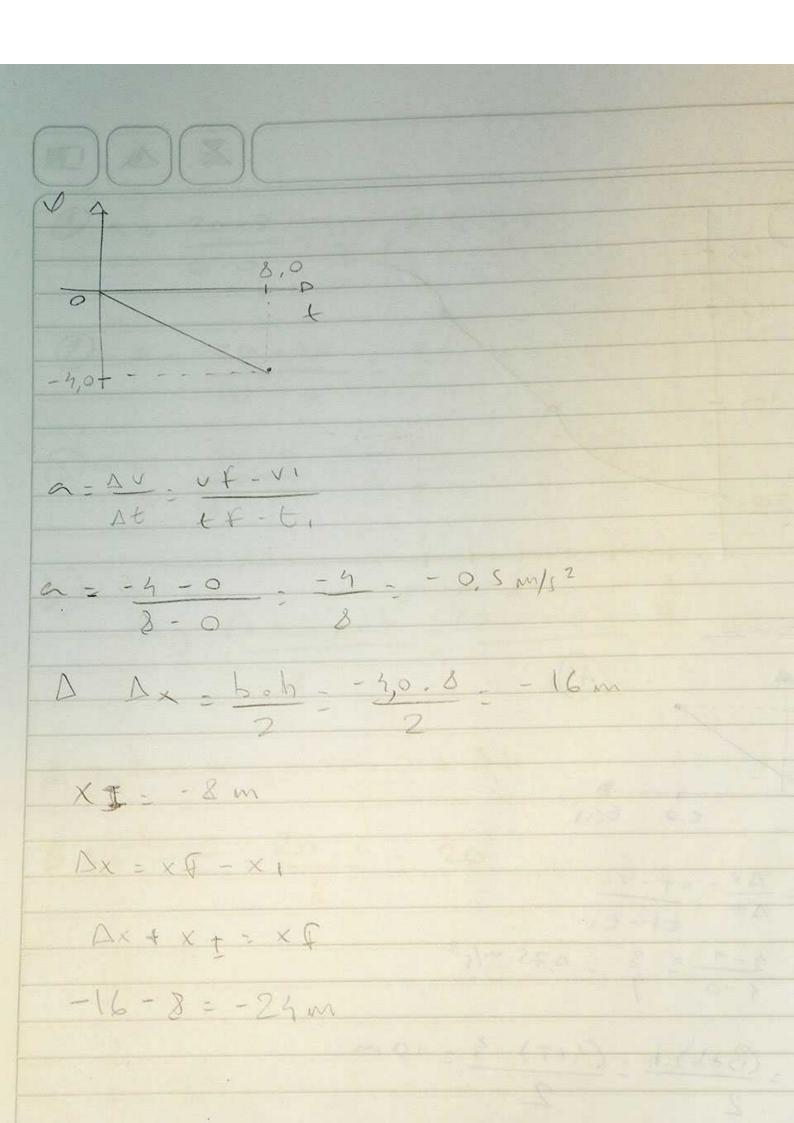
(7) lisis finarin del (3) isis Grancoll + des

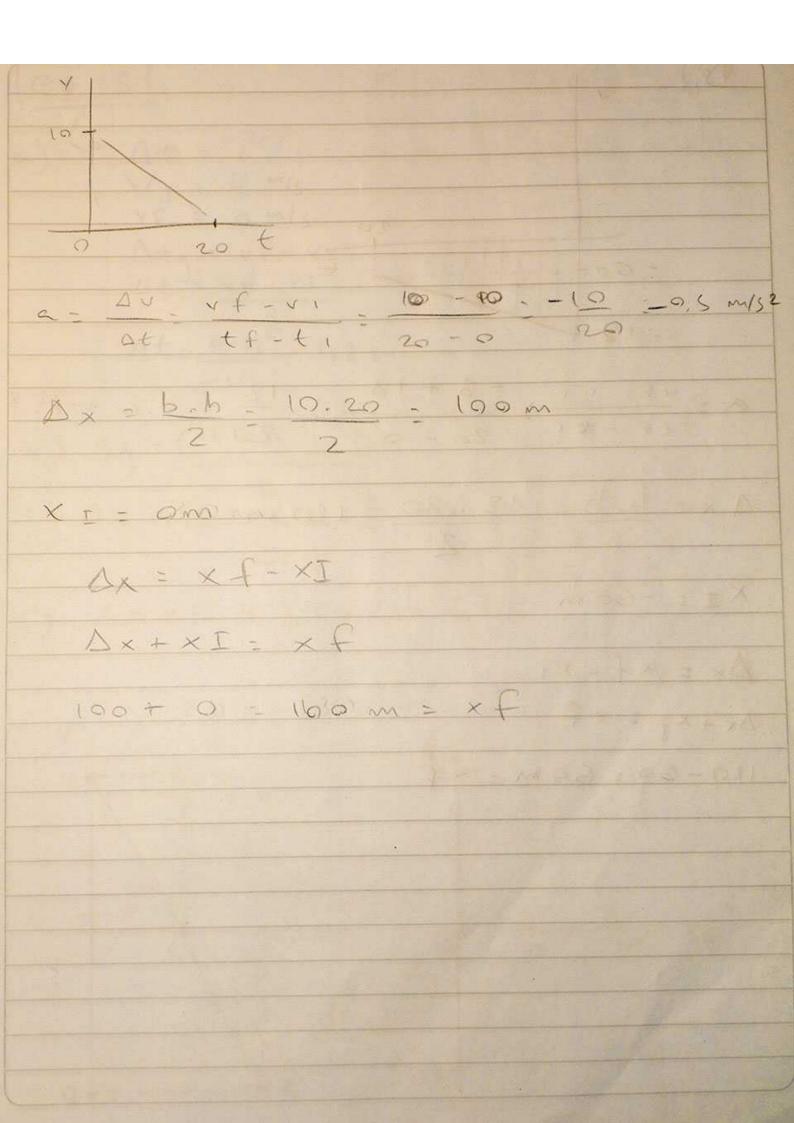
Esemplo o se estuda el movimiento de un I tren que viaja en l'inea recta I se obtience el signiente cuadro l'ele valores. Il (m/s) A) Realiza la gréfica t(s) Cov=f(t) 5 b) Determina el tipa de 20 movimiento en cada c) Calcular la a del 20 10 12 D) Calcular el desploza miento en Mintervalo (E) Graficar XF(E) sabiendo que la Palición iniaal es de 30 m

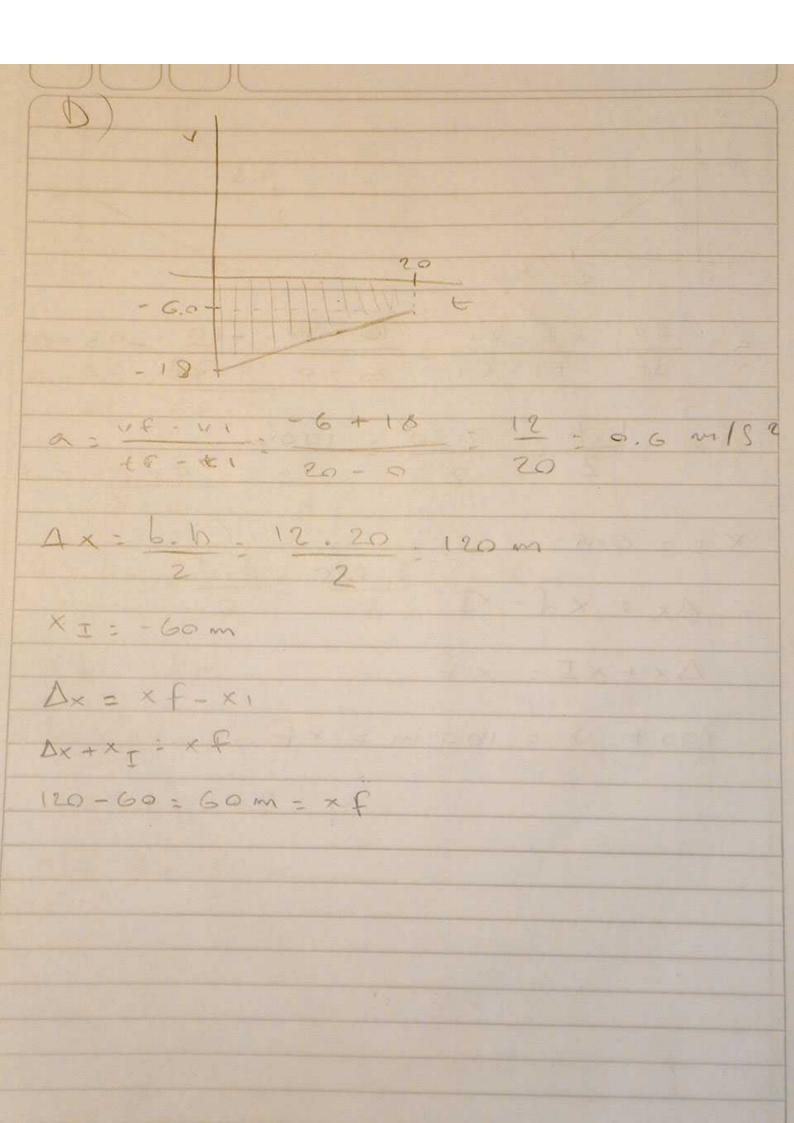


) a = 20-5 - 15 : 2.5 % 2 a = 20 - 20 = 0 = 0 = 0 = 152 $(3) \alpha = \frac{0 - 20}{12 - 10} = \frac{-20 - 10}{2} = \frac{-10}{2}$ D) AD=(0+b).h (20+5).6 = 75 All: bx a = 20.7 = 80 D 1 = 20.2 = 20









CT 15 a) (At = 77) 1/1 = 12 m/s vf = 0 m/s Atg = vf - VI At = vf - VI At = 0-12 - 1,25 b) 19 = (VF + VI). Dt Ay = (0+12).1,2 =0 Dy = 7,2 m c) At 12'=1,2'+2 = 2,45 0 12+

Profes ||

Co Dates = 0
$$v_{\pm} = 0 \text{ m/s}$$
, $\Delta t = 3.0 \text{ s}$

$$\Delta y = 7$$

$$\Delta y = 4 \text{ s} \text{ m}$$

$$= 0 = 0$$

$$1) q = \Delta v \text{ vf} - \text{vI}$$

1)
$$g = \Delta v + \sqrt{f} \cdot \sqrt{1}$$

2) $V_F^2 = V_+^2 + 2 \cdot q \cdot \Delta y$
3) $\Delta y = V_I \cdot \Delta t + y \cdot \Delta t^2$
4) $D_I = (V_f + V_I) \cdot \Delta t^2$

Yt = Sio m/s VF= om/s g = - tom/s -10=0-5 At .- 10 = 0 - S At = -5 = -0,5 5 Trano 2 = At = 0,5 5 Trans 3 = Dy = -45 m 11 =- 5,0 m/s g = -10m/s2 At Ag: VI. At T. g. Ate +45 = -5. Dt + (-10). Dt2

VF = -52 + 2 -- 10 - 45 uf"= -25 + 900 JF = 925 =0 VF= I V=25 WF= -30,4 m/s g = UF -UI -10 = -39, 4 + 5 At Dt :- 25,4 - 2,54 5 - (0 Deminion on Mayor all soclo 2,545 d) Deman 2,84 5

Ay = 5,0 m 00 VI = 25 M/5 Dt: 2,55 g = xf - yI At = 0 - 25 - 10 Δt = -25 = 2,5 \$ VF2 - 252 +2 . (-10) . S 4F2 = 625 + (-100) 300 VF = 325 = 255 18 Dt = 189 - 25 - 0 0,7 -10 VP2 = 252 + 2. (-10).20 VF = 625 + (-400) VF = 225 = 5225 = 15 m/s Dt = 15 - 25 10