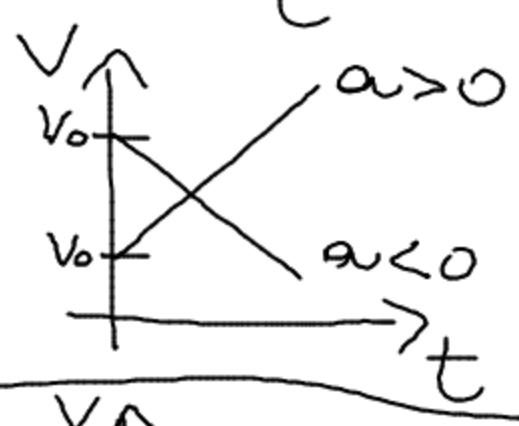
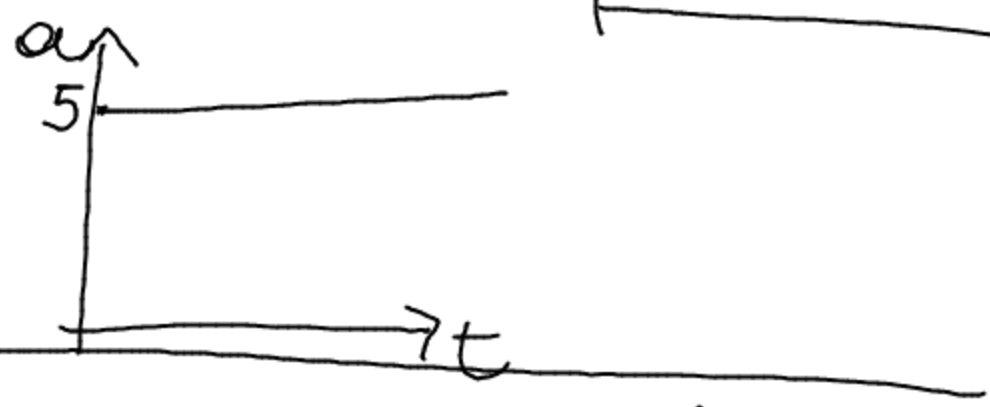
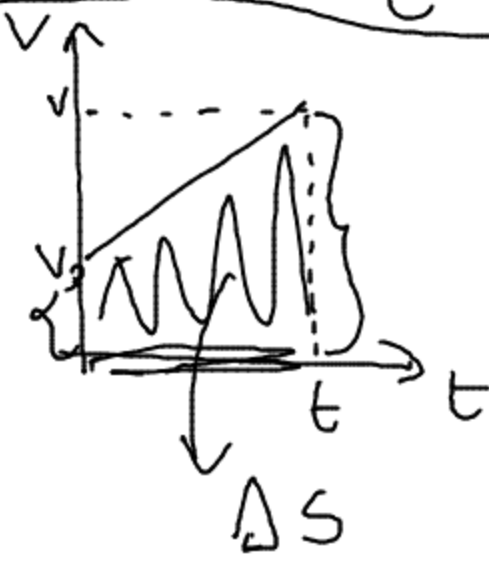
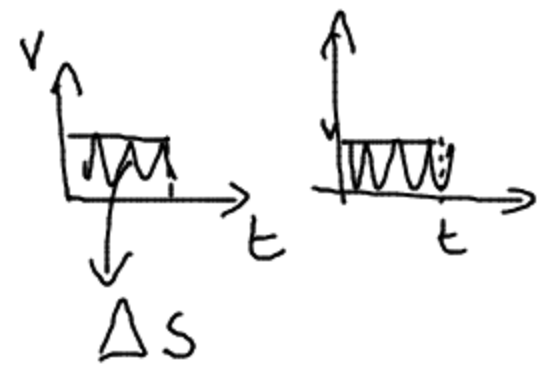
$$a = \frac{V - V_0}{t} \qquad t = \frac{V - V_0}{a} \qquad V - V_0 = a \cdot t \qquad \boxed{V = V_0 + a \cdot t}$$









$$\Delta S = \left(\frac{b_{mag} + b_{min}}{2}\right) \cdot h = \left(\frac{V + V_0}{2}\right) \cdot t$$

$$\Delta S = \left(\frac{V + V_0}{2}\right) \cdot t = \left(\frac{V_0 + a \cdot t + V_0}{2}\right) \cdot t =$$

($V_0 + a \cdot t$)

$$= \left(\frac{2V_0 + a \cdot t}{2}\right) \cdot t = \left(V_0 + \frac{a \cdot t}{2}\right) \cdot t =$$

$\frac{2V_0}{2} + \frac{a \cdot t}{2}$

$$\Delta S = V_0 \cdot t + \frac{a t^2}{2} \longrightarrow \boxed{S - S_0 = V_0 \cdot t + \frac{a t^2}{2}}$$

($S - S_0$)

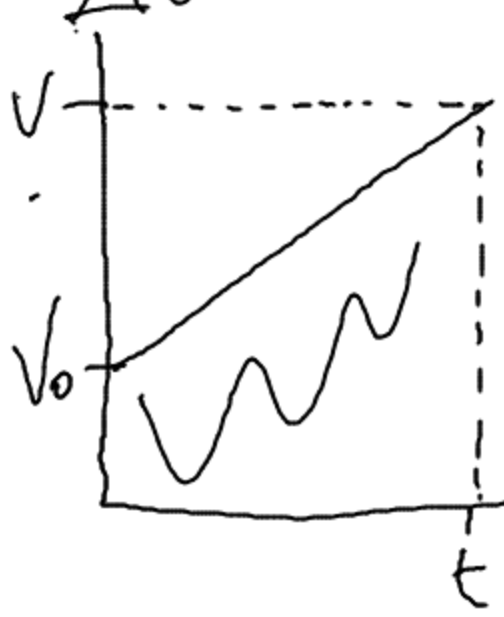
$5 + 2x = 9$

$$S = S_0 + V_0 \cdot t + \frac{a t^2}{2}$$

SPAZIO INIZ

V_{iniz}

ΔV



$$\Delta S = \left(\frac{V + V_0}{2}\right) \cdot t = \left(\frac{V_0 + a \cdot t + V_0}{2}\right) \cdot t =$$

$$= \left(\frac{2V_0 + a \cdot t}{2}\right) \cdot t =$$

$$= \left(V_0 + \frac{a \cdot t}{2}\right) \cdot t$$

$$\Delta S = V_0 \cdot t + \frac{a t^2}{2}$$

legge oraria $S - S_0 = V_0 \cdot t + \frac{a t^2}{2}$

$$\leftarrow S = S_0 + V_0 \cdot t + \frac{a t^2}{2}$$

V(m/sec)	2	5	8	11	14	17
t(sec)	0	5	10	15	20	25

$V = V_0 + a \cdot t$

$V = 2 + a \cdot t$

$V = 2 + 0{,}6 \cdot t$

$a = \frac{V - V_0}{t} = \frac{5-2}{5} = \frac{3}{5} = 0{,}6 m/s^2$

$10 = 2 + 6 = 8$

$15 = 2 + 9 = 11$

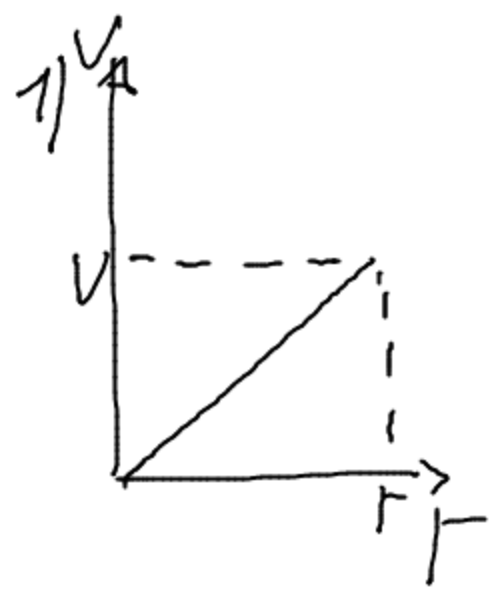
$20 = 2 + 12 = 14$

$V_0 = 10 \, m/sec$

$a = 2 \, m/sec^2$

$t = 6 \, sec$

$V = V_0 + a \cdot t = 10 + 2 \cdot 6 = 22 \, m/sec$



$V_0 = 18 \, Km/h$

$V = 54 \, Km/h$

$t = 4s$

$? = a \, 4s$

$18 : 3{,}6 = 5 \, m/sec$

$54 : 3{,}6 = 15 \, m/sec$

$a = \frac{V - V_0}{t} = \frac{15 - 5}{4} =$

$2{,}5 \, m/sec^2$

$S = \cancel{S_0} + V_0 \cdot t + \frac{a \cdot t^2}{2} = 5 \cdot 4 + \frac{2{,}5 \cdot 16}{2} = 20 + 20 = 40 m$

$V_0 = 2 \, m/sec$

$a = 1{,}4 \, m/sec^2$

$t = 10 \, sec$

$S_0 = 5 \, m$

$? V_F$

$? S$

$S = 5 + 20 + 70 =$

$= 95 \, m$

$V_F = V_0 + a \cdot t =$

$= 2 \, m/sec + 1{,}4 \, m/sec^2 \cdot 10 \, sec =$

$= 2 + 14 = 16 \, m/sec$

$S = S_0 + V_0 \cdot t + \frac{a \cdot t^2}{2}$

$S = 5 m + 2 m/sec \cdot 10 \, sec + \frac{1{,}4 \cdot 100}{2}$