$$| (1) V_p = (3.0 - 1.0) / (4.9 - 2.0) = (.0 \text{ m/s})$$

$$V_{Q} = 5.0 / (4.0 - 2.0) = 2.5 \text{ m/s}$$

$$\overline{V_{QQ}} = (5.0 - 1.0) / (4.0 - 2.0) = 2.0 \text{ m/s}$$

等速直线运动
(3)
$$1/=6.0/5.0=1.2$$
 …/6

(3)
$$V = 6.0/5.0 = 1-2 \text{ m/s}$$

[m/s]

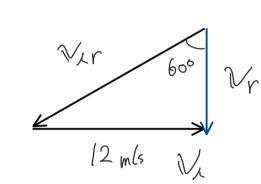
(.2)

2 (1)
$$3.0 + 4.0 = 7.0$$
 (m/s) (m/s)

$$2n \theta = 3.0 / 4.0$$

$$= 0.75$$

$$tan0 = 0.75 を済たすりだけ$$



$$V_{kr} = V_r - V_k$$

$$V_r = |V_{\perp}| \tan 30^{\circ}$$

= $(2 \cdot \frac{\sqrt{3}}{3} = 4\sqrt{3})$

$$= 6.92$$

$$= 6.9 m/s$$

$$=$$
 6(9 m/s

$$4(1) - 2.0 = 8.0 + 4.00$$

4.00 = -60

$$\alpha = -10/40 = -2.5 \text{ m/s}^2$$

$$=2.5 \, \text{m(s}^2) \left(L \right)$$

$$(2) 0 = 6.0 - 2.5 t$$

$$t = 80/25 = 16/5$$

$$= 3.25$$

$$92 = 6.0 \cdot 3.2 + \frac{1}{2}(-2.5) \cdot 3.2^{2}$$

(3)
$$9L = 6.0.4.0 + \frac{1}{2}(-2.5).4.0^{2}$$

5 (1) 0 ~ 25:

a

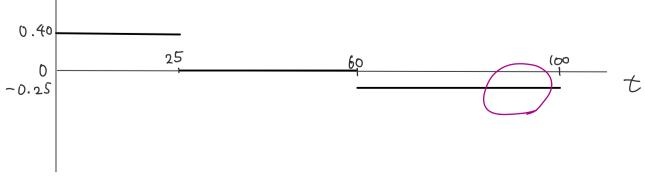
$$Q = 10/25 = 0.40 \text{ m/s}^2$$

$$25 \sim 60;$$

$$\alpha = 0 \text{ m/s}^2$$

$$\alpha = (0 - (0) / ((00 - 60))$$

$$= -(0/40 = -0.25 \text{ m(s}^2)$$



(2)
$$\mathcal{L} = \{0 : \{ \frac{1}{2}, 25 + (60 - 25) + \frac{1}{2}, (100 - 60) \}$$

$$= (0 \left\{ 12.5 + 35 + 20 \right\}$$

$$= (0.67.5 = 675)$$

$$\Rightarrow 6.8(.10^{2})_{m}$$