

1-7

i方向上: Vxo=0m/s ax=-10m/s j.方向上: Vao=10m/s. ag=0.m/s² (1) 及t=16. Y=5m·i+10mj. 故 IX=55m

(2)
$$V_X = V_{X0} + a_{XY} + \partial V_X = -lombs$$
 $V_{y} = V_{y0} + a_{y0} + a_{y0} = lombs$. $to[V] = lobs mls$

(3)
$$|a| = \sqrt{a_x^2 + a_y^2} = |om/s^2|$$

1.17.

相对代阵和、杂群的速度为D. 加速度为 afg 之(4g) ti= 人 = 1= 3原 5 故粤 t= 3月2所 S

(2)
$$V_0 = -2$$
. $4mls$ $\alpha = g = 10mls^2$
 $x = V_0 + 1 = at^2 \Rightarrow x = (\frac{135}{56} - \frac{1845}{5174})m$

(1)
$$V = \sqrt{V_{H}} - V_{\phi}^{2} \Rightarrow V = 2\sqrt{2} m/s$$

(2) $tan0 = V/V_{\phi} = \frac{\sqrt{2}}{10} 0 = cr(tan \frac{\sqrt{2}}{10})$

(1)
$$\xi k^2 \hat{J}^{\dagger}$$
. $V_{x} = -4.8 \text{ Tm/S}$ $V_{y} = 18.8 \text{ m/S}$ $\alpha_{x} = 0$ $\alpha_{y} = -9.9 \text{ m/S}$ $x = (-4.85t) m$ $y = (18.8t - 5x8.9 + 2) m$. $1/4 = t$. $4 = -2 x^2 - 4x$