Week |

1.1

$$h_{max} = 24.0^{5} m$$
,  $g_{n} = 1.8 \text{ m/s}^{2}$ 
 $\frac{1}{29}m$ 
 $\Rightarrow v_{0} = 600 \text{ Jz m/s}$ 

1.3

 $g_{1} = 90 \text{ km/h}$   $v_{2} = 65 \text{ km/h}$   $t_{5} = 0.75$ 
 $\alpha = 75 \text{ m/s}^{2}$ 
 $d = 80 \text{ m}$ 
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 $t = \frac{200}{9} \approx 5.3 \text{ S}$   $V = 9t \approx 24.7 \text{ L}$ 

$$(1) (x = 2t) \Rightarrow t = \frac{1}{2} \times$$

$$y = x^{2} - 8$$

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$$x''(t) = 2 \quad y''(t) = 8t$$

$$x''(t) = 0 \quad y''(t) = 8$$

$$t_{1} = (s) : \overrightarrow{r} = (2, -4) \quad t_{2} = 2s : \overrightarrow{r} = (4, 8)$$

$$\overrightarrow{a} = (0, 8)$$

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$$1.10 \quad \cancel{A} = (0, 8)$$

$$1.$$

南于两极地弹场的和裤、初速度等大反向 若能相随则似乎但置中点  $9/p = h - 9.8 + 0 - \frac{1}{2} gt^{2} 70$   $t^{2} = \frac{3}{2} \div 90 \cos 0 \quad (t^{2} = \frac{h}{5} = \frac{1}{4})$ tp= 28/17 => Vo > 45.6m/s