3起十六相对论(-)	
1. C 2. B 3. 0-075m <sup>3</sup> 4	$\frac{1}{\sqrt{1-\left(\frac{u}{c}\right)^2}}$
S.(1) 没K相相对 K运动建度为 U.	V (C)
由 at = at u= 3 C	11° a 4-5
$x_1' = \gamma(x_1 - ut_1), x_2' = \gamma(x_2 - ut_1)$	t.).
又分,= x2 (城中测得同一地点)	
$\therefore x_1' - x_2' = \gamma u(t_2 - t_1) = 9 \times 10^{-1}$	8 <sub>m</sub>
6. 该 K'多相对 K等连度为 u.	
$t' = \gamma (t_{\bullet} - \frac{\beta}{c} \times)$	
$t_i' = \gamma(t_i - \frac{\beta}{c}x_i)$ $t_i' = \gamma(t_i - \frac{\beta}{c}x_i)$	
•	1 6
$t_i' = \gamma(t_i - \frac{\beta}{c}x_i)$ $t_i' = \gamma(t_i - \frac{\beta}{c}x_i)$	
$t,'=\gamma(t,-\frac{\beta}{c}x,)$ $t,'=\gamma(t,-\frac{\zeta}{c}x,)$ · 你之例得同时发生	

习题 十八 捆对论 (三)

1, C 7, D 3, C 4, 8.89×10-8

5. W = DE = M2 C2 - M, C2

又m=mo 1-12 , m=mo 1-12

··解得W=4.72×10-45

6. E= 109 MeV=1010 × 1.6×1519 J

:由Ex= mc2-moc2, T= 27.65×10-75