

**II ( )**

,

-90

1.  $F = r v$ .

(6)  $v?$

$\cdot \frac{mv}{2r} \cdot \frac{mv}{r} \cdot \frac{2mv}{r} \cdot \frac{mv}{4r} \cdot \frac{3mv}{2r}$

2.  $\vec{v}$ ,  $\vec{v}_1$   $\vec{v}_2$

(8)  $0^\circ$ ,  $180^\circ$ ,  $0$ ,  $90^\circ$ ,  $90^\circ$ ,  $90$ ,  $180^\circ$ ,  $0$ ,  $180^\circ$ .

3.  $pV^n = const$  ( $n < 1$ )?

(10)

4.  $R_1$ ,  $R_2$ ,  $r$ ,  $q$ ,  $Q$ .

(10)  $\frac{kQ}{R_1} + \frac{kq}{r}$ ,  $\frac{2kQ}{R_1 + R_2} + \frac{kq}{r}$ ,  $\frac{k(Q+q)}{R_1}$ ,  $\frac{k(Q+q)}{R_1} - \frac{kq}{R_2} + \frac{kq}{r}$ ,  $\frac{kQ}{R_1} - \frac{k(Q+q)}{R_2} + \frac{kq}{r}$ .

5.  $E_1$  и  $E_2$  с  $r_1$   $r_2$

(8)  $E_1 + E_2$ ,  $E_1 - E_2$ ,  $(E_1 + E_2)/2$ ,  $\frac{E_1 r_2 + E_2 r_1}{r_1 + r_2}$ ,  $\frac{E_1 r_1 + E_2 r_2}{r_1 + r_2}$ .