

II ()

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1. **6** . $s = \frac{mv}{r}$
2. **8** . 90° .
3. **10** .
4. **10** . $\frac{k(Q+q)}{R_1} - \frac{kq}{R_2} + \frac{kq}{r}$.
5. **8** . $U = \frac{q}{r_1 + r_2} (E_1 r_2 + E_2 r_1)$. $r \quad R_2$