

- 1
- ① $\frac{(M+m)g}{2 \tan \theta_0}$
 - ② $\frac{L}{2m} \{2\mu(M+m) \tan \theta_0 - M\}$
 - ③ $\frac{V_A}{V_B} n_B$
 - ④ $n_B - n_A$
 - ⑤ $\frac{2T_0 V_B}{V_B - V_A}$
 - ⑥ $3L_1$
 - ⑦ $4f_A L_1$
 - ⑧ $C_1 V$
 - ⑨ $\frac{C_1}{C_1 + C_2} V$
 - ⑩ 2

- 2
- 問1 $S = m \frac{v^2}{l \sin^2 \theta}$
 - 問2 $N = m \left(g - \frac{v^2}{l \sin^2 \theta} \cos \theta \right)$
 - 問3 $v_1 = \sin \theta \sqrt{\frac{gl}{\cos \theta}}$
 - 問4 $v_2 = \sin \theta \sqrt{\frac{(g+A)l}{\cos \theta}}$
 - 問5 $A = g \left(\frac{1}{k^2} - 1 \right)$

- 3
- A
- 問1 $V = \left(1 - \frac{1}{\sqrt{5}} \right) k \frac{Q}{L}$
 - 問2 $\left(1 - \frac{1}{\sqrt{5}} \right) k \frac{Qq}{L}$
 - 問3 $v = \sqrt{\frac{4kQq}{3mL}}$
- B
- 問4 $I B l$
 - 問5 $I = \frac{mg}{Bl}$
 - 問6 $E - R \frac{mg}{Bl}$
 - 問7 $v B l$
 - 問8 $v = \frac{E}{Bl} - R \frac{mg}{(Bl)^2}$

	得点
物理	