

物理

1

解答

A. (1) $Ma = -kx$ (2) $2\pi\sqrt{\frac{M}{k}}$

B. (3)板: $Ma = -kx - N$ 小球: $ma = N$

(4) $-\frac{mkx}{M+m}$ (5) $x=0$ (6) $-l$

C. (7) $y = -\frac{Mg}{k}$ (8) $Ma = -ky - Mg$ (9) $y = -\frac{Mg}{k}$

D. (10) $y=0$

2

解答

A. (1) $\frac{V}{d}$ (2) $\frac{\epsilon_0 SV}{d}$ (3) $-l$ (4) $-l$ (5) $-l$ (6) $\frac{qV}{mgd}$

B. (7) $\frac{V}{d-\Delta d}$ (8) $-l$ (9) $\frac{\epsilon_0 SV}{d-\Delta d}$

C. (10) $\frac{\epsilon_0 SV}{d-\Delta d}$ (11) $\frac{dV}{d-\Delta d}$ (12) $-l$