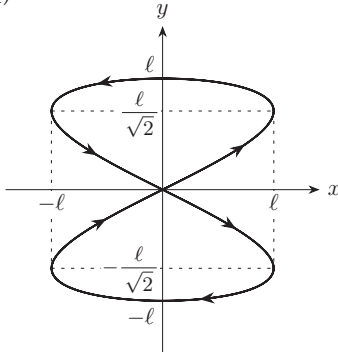


〔I〕

(ア) $\frac{Mg}{k}$	(イ) $2\pi\sqrt{\frac{M}{k}}$	(ウ) $-\ell\sqrt{\frac{k}{M}}\sin\sqrt{\frac{k}{M}}t$
(エ) $\frac{m}{M}k$	(オ) $\frac{m}{M}k\ell$	(カ) $mg - \frac{m}{M}k\ell\sin\theta$
(キ) $\ell\sqrt{\frac{k}{2M}}$	(ク) $\frac{2\pi^2n^2mg}{k}$	

(I-A)



〔II〕

(ア) $IBa$	(イ) $IBb\sin\theta$	(ウ) $IBab\cos\theta$
(エ) $\omega Bab\cos\omega t$	(オ) $\frac{(\omega Bab\cos\omega t)^2}{r}$	(カ) $\frac{\pi\omega(Bab)^2}{r}$
(キ) $\omega^2CBab\sin\omega t$	(ク) $\frac{1}{2}C(\omega Bab)^2$	

〔III〕

(ア) 1200	(イ) $\frac{3}{2}(a^{2/3}-1)nRT$	(ウ) $a^{2/3}cT$
(エ) $\frac{5}{2}a^{2/3}(c-1)nRT$	(オ) $c^{5/3}T$	(カ) $\frac{3}{2}(c^{5/3}-1)nRT$
(キ) $1 - \frac{3(c^{5/3}-1)}{5(c-1)a^{2/3}}$		