

1.

(ア)	$\frac{\sqrt{gR}}{2}$	(イ)	$\frac{g}{2}$	(ウ)	$\frac{3}{8}mg$
(エ)	$\frac{\sqrt{3gR}}{2}$	(オ)	$\frac{1}{2}\sqrt{\frac{gR}{6}}$	(カ)	$\sqrt{\frac{gR}{6}}$
(キ)	$\frac{1}{4m}$	(ク)	$2\sqrt{3}$	(ケ)	$\frac{4(2-\sqrt{3})}{3}g$

2.

(ア)	$\frac{EBL}{R}$	(イ)	$\frac{mgR}{2EL}$	(ウ)	$\frac{E - BLv}{R}$
(エ)	$E - \frac{mgR}{2BL}$			(オ)	$\frac{R}{4}\left(\frac{mg}{BL}\right)^2$
(カ)	$CBLu$	(キ)	$\frac{C(BLu)^2 + 2mu^2}{mg}$	(ク)	$CBL$

3.

(ア)	$\frac{RT}{V}$	(イ)	$\frac{2}{3}$	(ウ)	$\frac{1}{k^5}$
(エ)	$\frac{1}{3}\left(\frac{RT_1}{k^5V_1} + 2p_0\right)$	(オ)	$\frac{3(1-k^2)}{2k^2}RT_1$		
(カ)	$2(1-k^3)p_0V_1$	(キ)	$\frac{2}{3(1+n)}$	(ク)	$\frac{1}{k^4}$