

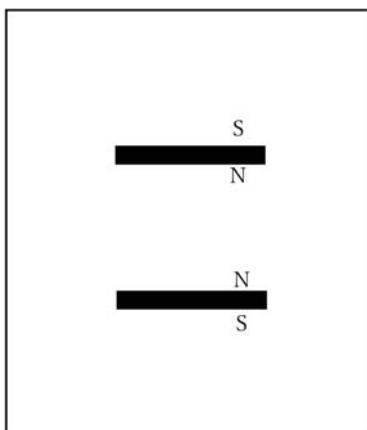
質量測定 (10 点)

次の表に 0 から 9 までの数字を書きなさい：

0	1	2	3	4	5	6	7	8	9

パート A：フックの法則と電磁気力 (2.4 点)

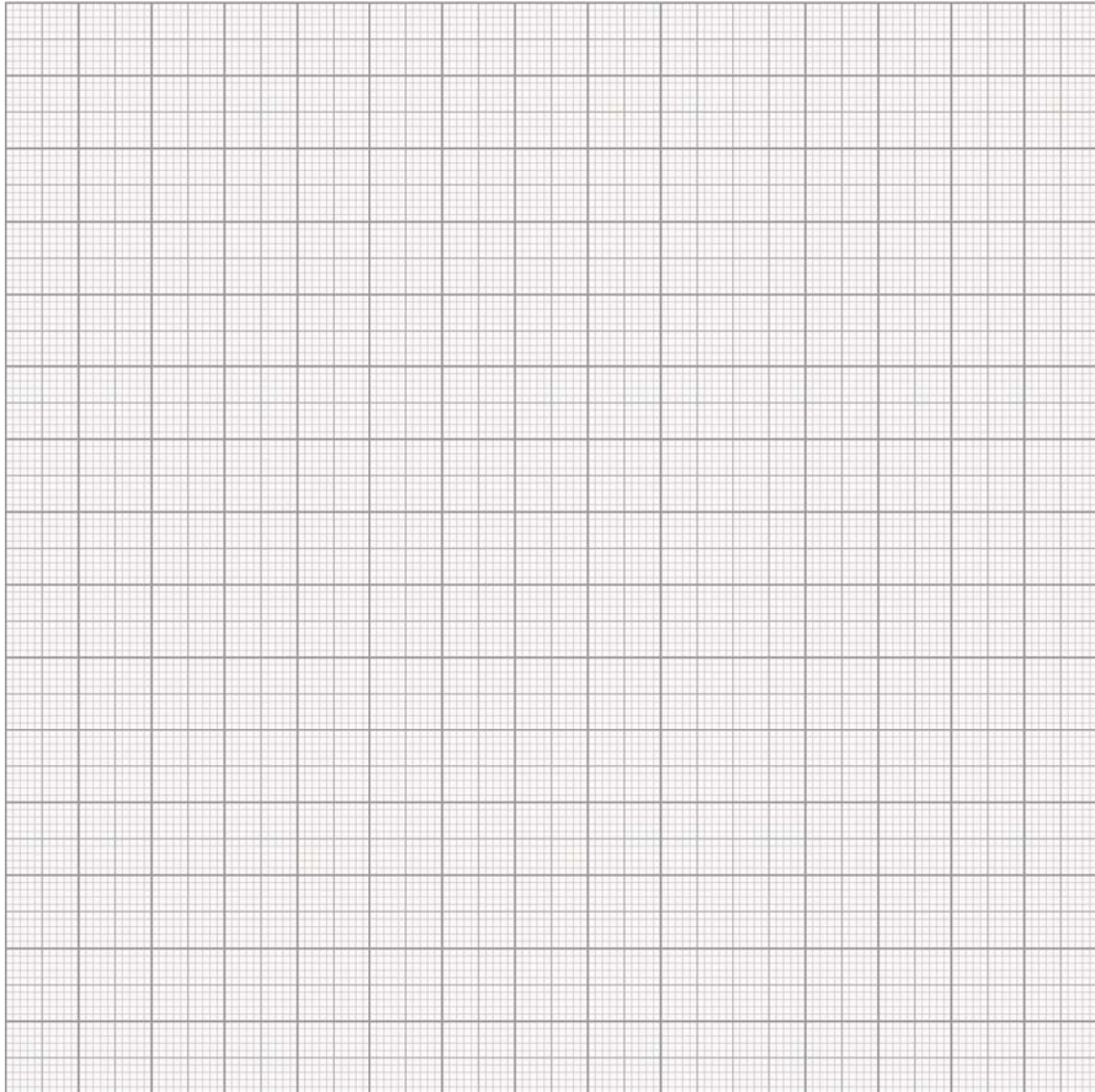
A.1 (0.4 pt)



A.2 (0.6 pt)

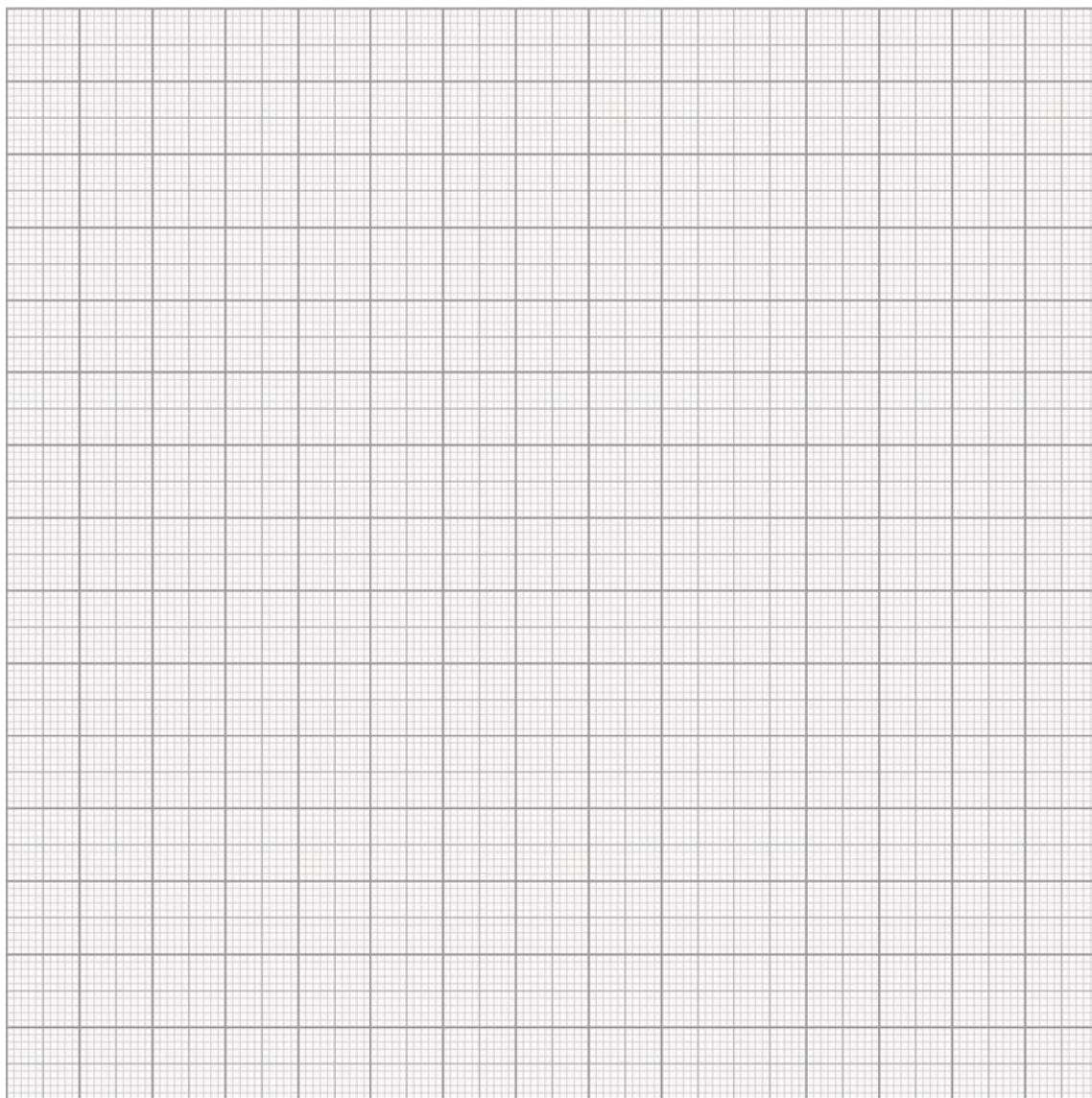
N	z / mm	I / A
0		0
1		
2		
3		
4		
5		

A.3 (0.7 pt)



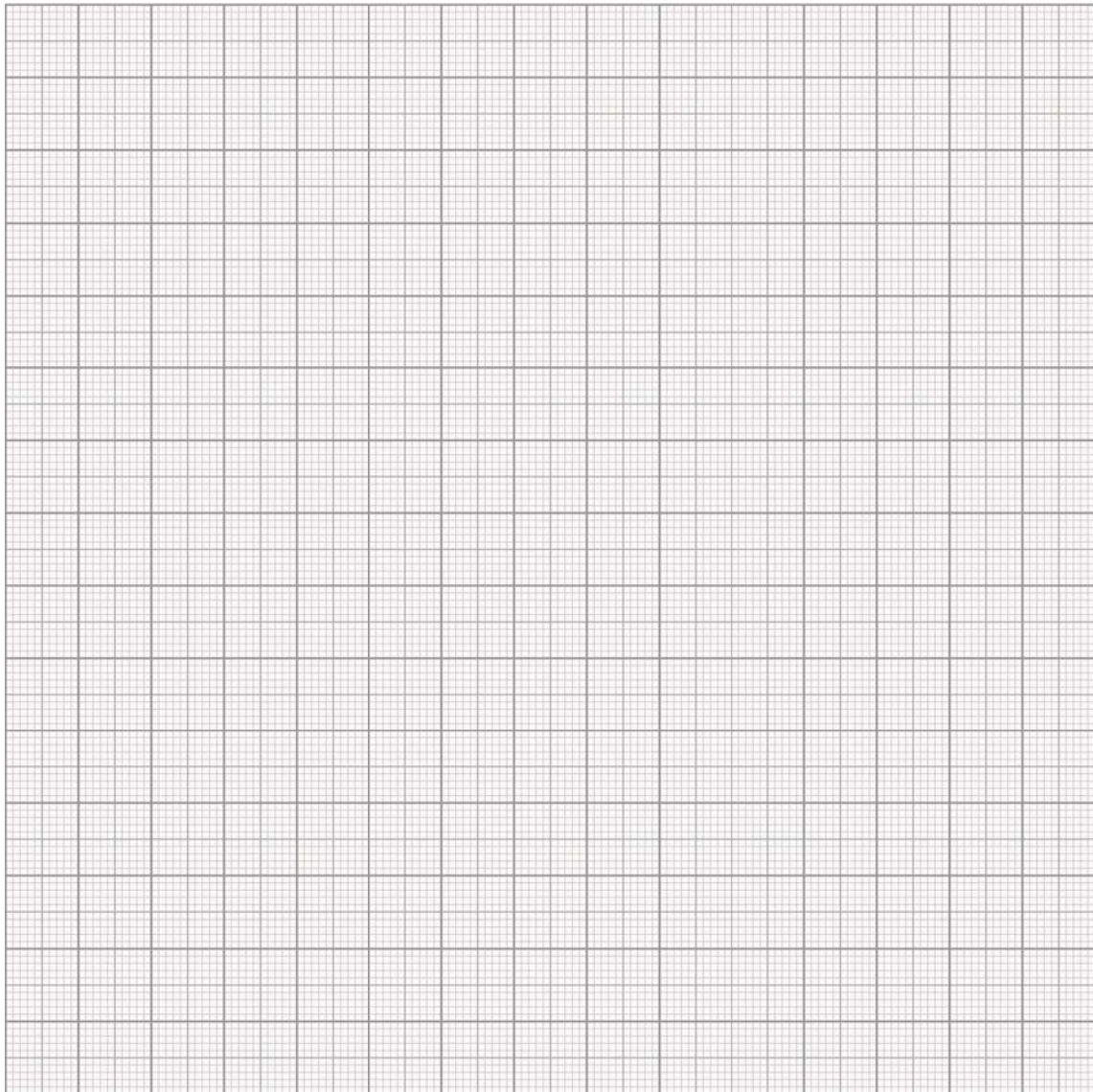
$a =$

A.4 (0.7 pt)



$b =$

B.3 (0.7 pt)



$c =$

B.4 (0.4 pt)

$BL =$

B.5 (1.2 pt)

$m =$

$k =$

パート C : 質量依存の共振周波数 (2.3 ポイント)

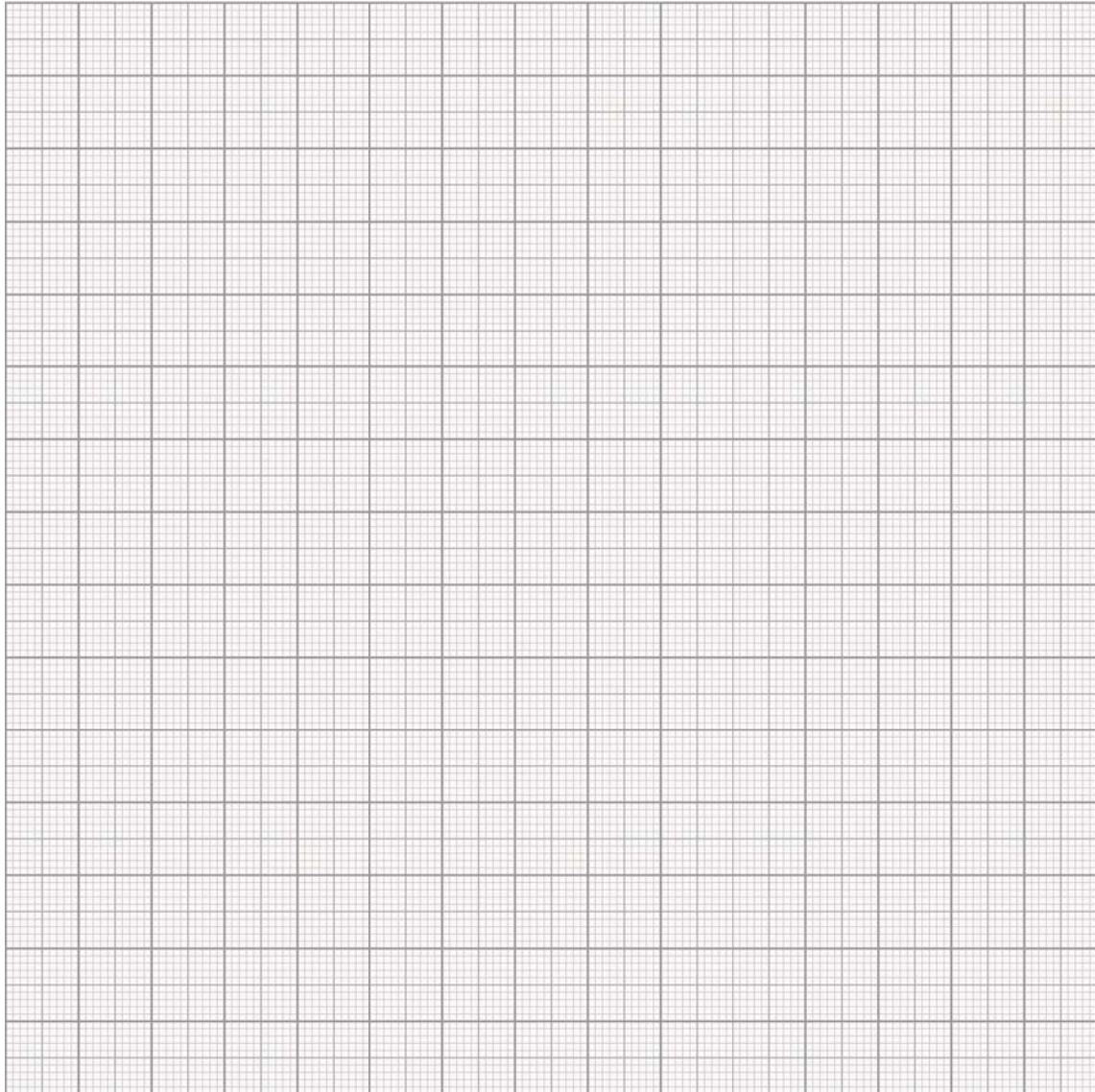
C.1 (0.2 pt)

$f =$

C.2 (0.5 pt)

N	f / Hz			
0				
1				
2				
3				
4				
5				

C.3 (1.0 pt)



$$\frac{M}{k'} =$$

$$\frac{m}{k'} =$$

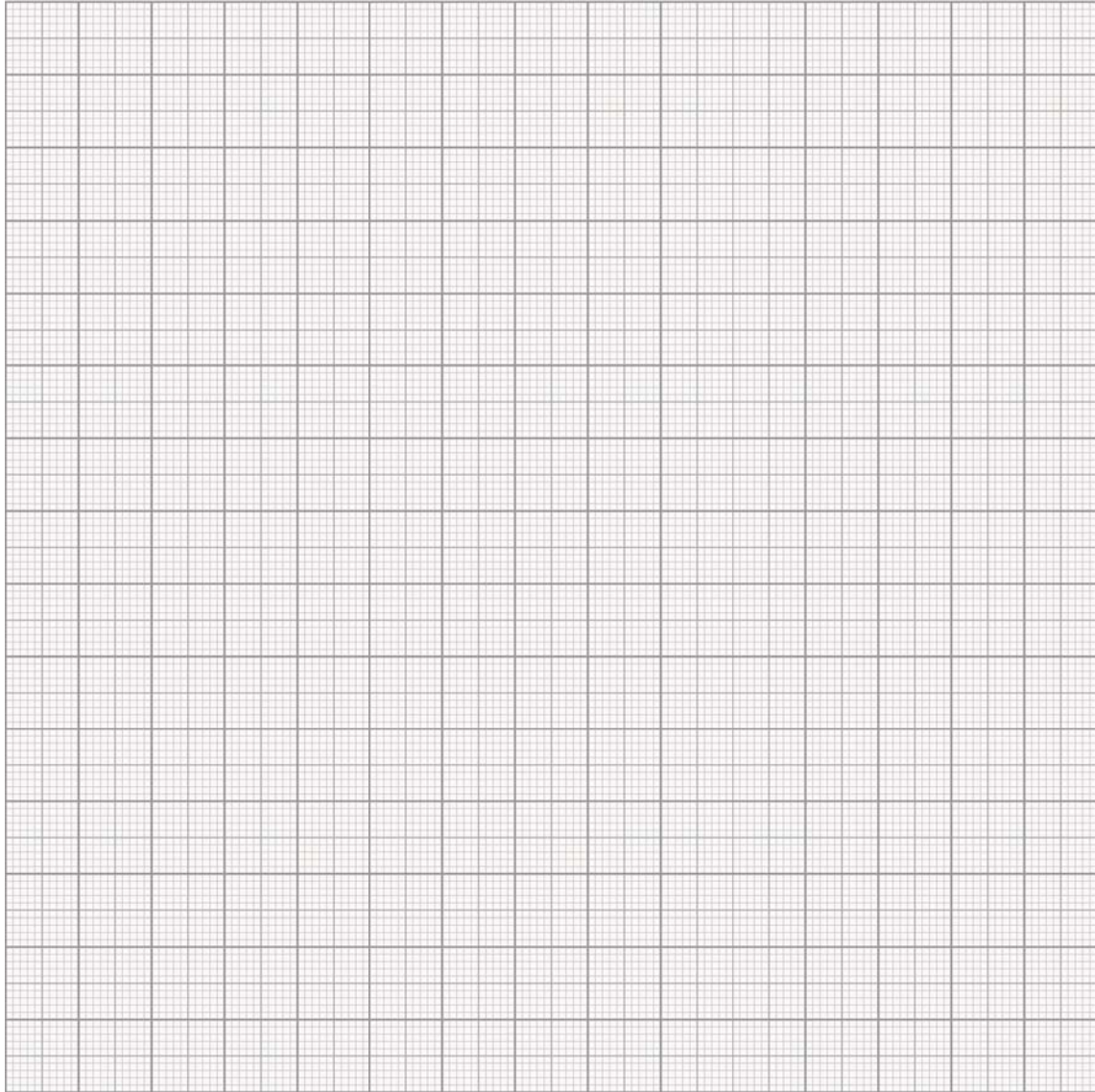
C.4 (0.6 pt)

$$\frac{M}{m} =$$

$$M =$$

$$k' =$$

D.2 (cont.)



D.3 (1.0 pt)

$M =$