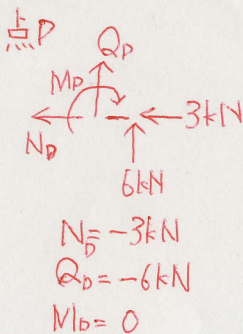
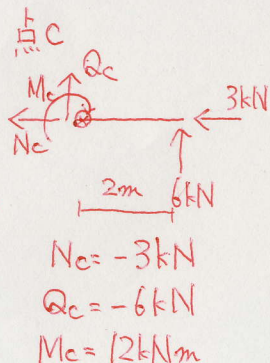
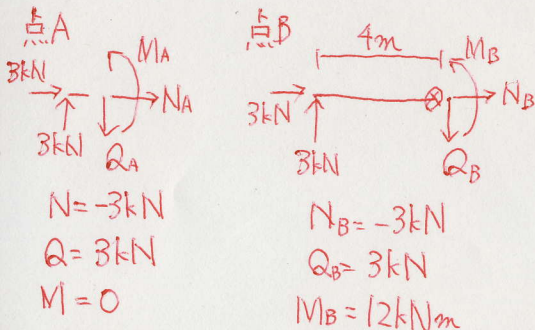
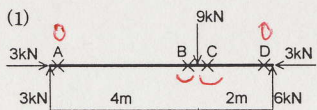
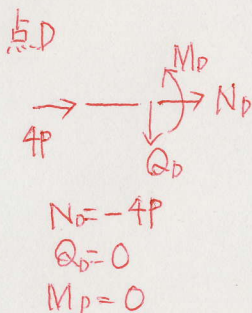
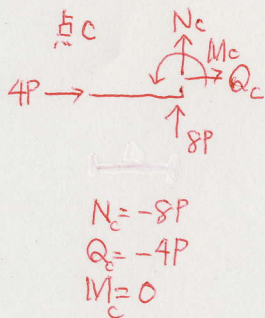
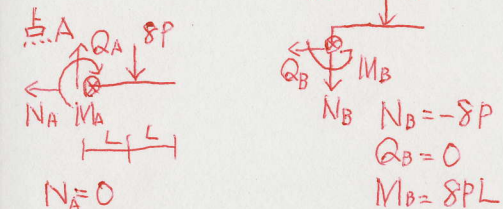
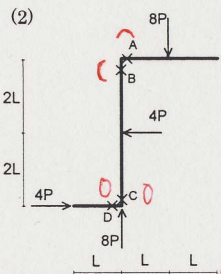


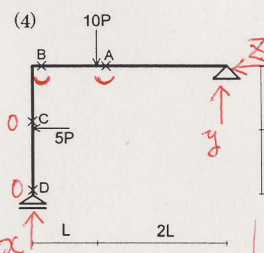
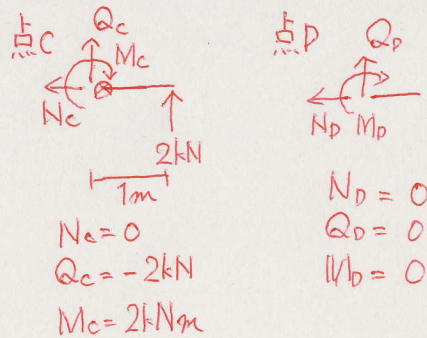
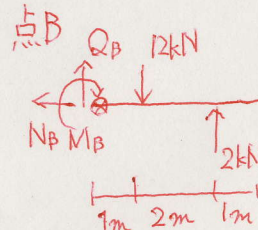
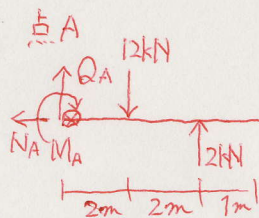
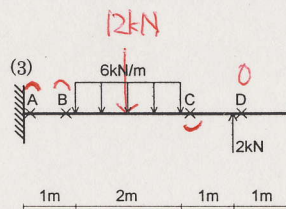
問. 図中×印点での断面力(軸力N, せん断力Q, 曲げモーメントM)を求めなさい。  
また、曲げモーメントにより部材が伸びる側に“( )”を、生じない場合は“0”を描きなさい。



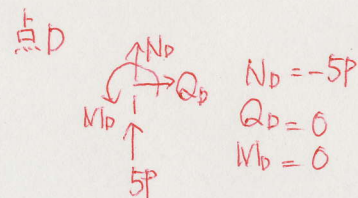
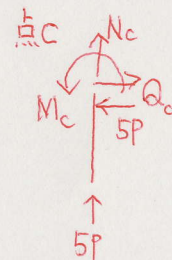
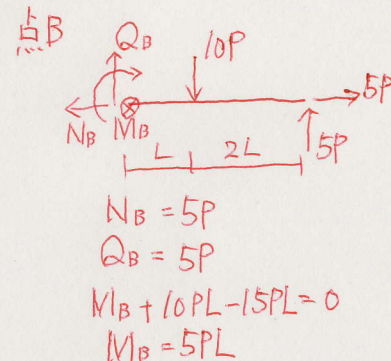
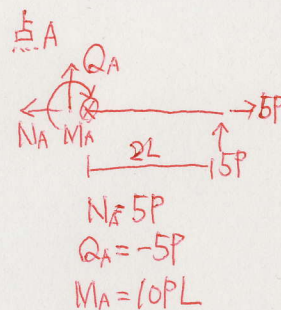
	N	Q	M
A	-3kN	3kN	0
B	-3kN	3kN	12kNm
C	-3kN	-6kN	12kNm
D	-3kN	-6kN	0



	N	Q	M
A	0	8P	8PL
B	-8P	0	8PL
C	-8P	-4P	0
D	-4P	0	0



$\sum X_i = -5P - Z = 0$   
 $Z = -5P$   
 $\sum Y_i = x + y - 10P = 0$   
 $y = 5P$   
 $\sum M_i = 3xL + 5PL - 20PL = 0$   
 $3x = 15P$   
 $x = 5P$



	N	Q	M
A	5P	-5P	10PL
B	5P	5P	5PL
C	-5P	5P	0
D	-5P	0	0