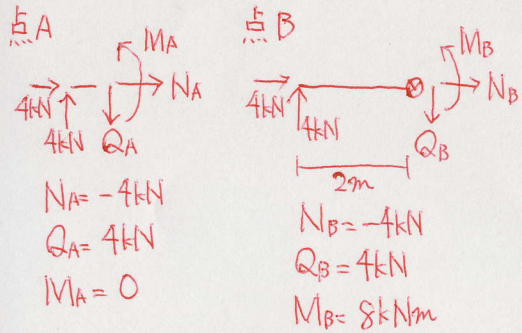
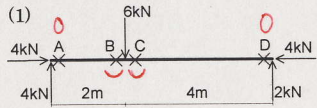
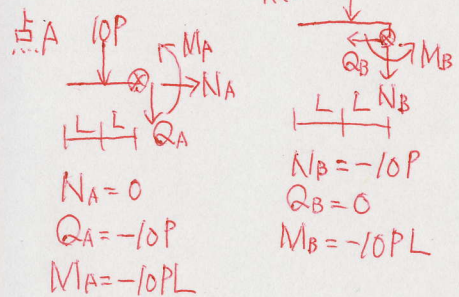
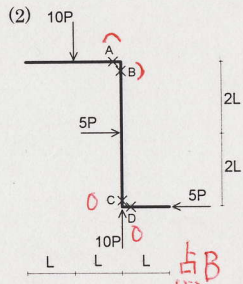


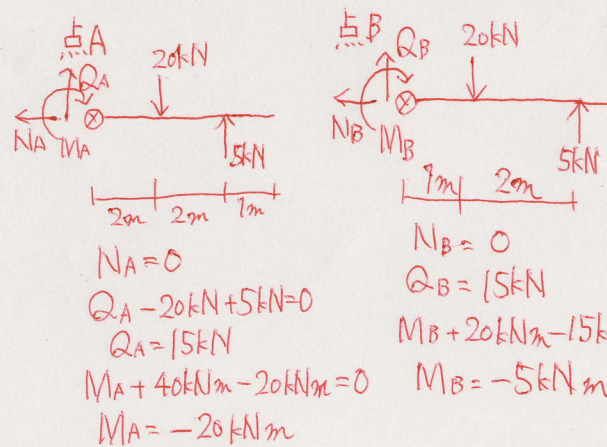
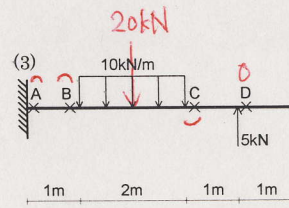
問. 図中×印点での断面力(軸力N、せん断力Q、曲げモーメントM)を求めなさい。
また、曲げモーメントにより部材が伸びる側に“()”を、生じない場合には“0”を描きなさい。



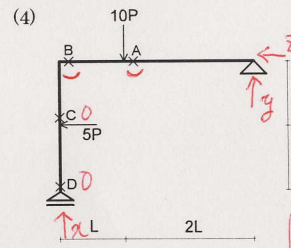
	N	Q	M
A	-4kN	4kN	0
B	-4kN	4kN	8kNm
C	-4kN	-2kN	8kNm
D	-4kN	-2kN	0



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



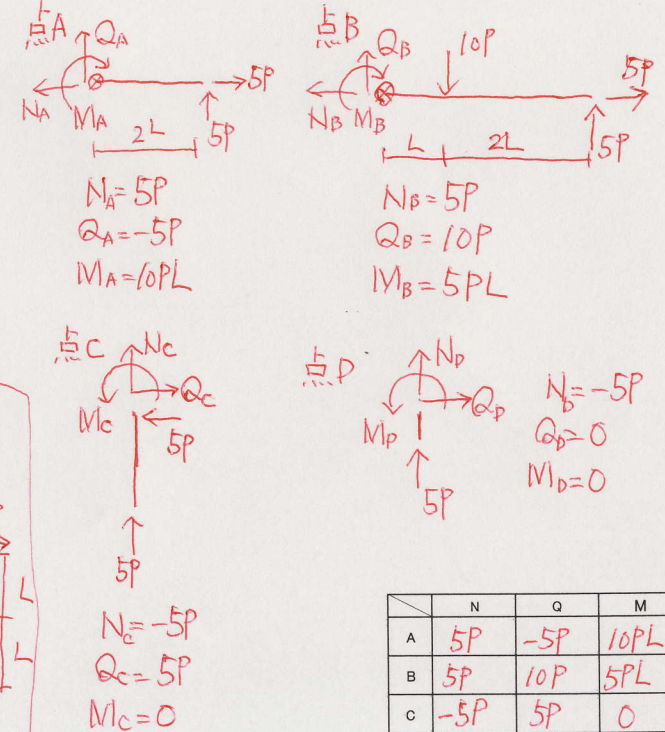
	N	Q	M
A	0	15kN	20kNm
B	0	15kN	5kNm
C	0	-5kN	5kNm
D	0	0	0



$$\sum X_i = -5P - Z = 0 \Rightarrow Z = -5P$$

$$\sum Y_i = x + y - 10P = 0 \Rightarrow y = 5P$$

$$\sum M_i = 3xL + 5PL - 20PL = 0 \Rightarrow x = 5P$$



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