Remarks: See §4.5, page 130 till 144

Hints:

Free all rigid parts in the hinges and the supports.

Answers:

1. c. 2-times statically indeterminate
   $r = 3+1+2 = 6$ supportreactions
   $v = 2$ interaction forces
   $e = 3+3 = 6$ equilibrium equations
   $n = r+v-e = 2$

2. b. 1- times statically indeterminate
   $r = 3+1+1+1 = 6$
   $v = 2+2 = 4$
   $e = 3+3+3 = 9$
   $n = r+v-e = 1$

3. c. 2- times statically indeterminate
Divide the construction in two rigid parts
   $r = 2+2+2 = 6$
   $v = 2$
   $e = 3+3 = 6$
   $n = r+v-e = 2$
Alternative Solution:
Recognize a bar support in the support in the middle
   $r = 2+1+2 = 5$
   $e = 3$
   $n = r-e = 2$