The truss shown in the figure, where all members measure 2 m, is loaded by a uniform continuous load of $q = 4 \text{ kN/m}$ in bar 1. Find the correct choice for the next questions.

1. Global degree of static indeterminacy.
   a) $\text{DSI} = 1$
   b) $\text{DSI} = 0$
   c) $\text{DSI} = -1$
   d) $\text{DSI} = 2$

2. The system of forces in member 4 can be replaced by two forces located in the nodes:
   a) 2 kN in A and 2 kN in B
   a) 1 kN in A and -1 kN in B
   b) 4 kN in A and 4 kN in B
   c) 4 kN in A and -2 kN in B

From this point till the end of the exercise, remove the vertical reaction force $V_A$. 
3. Which of the next elements cannot be removed in order to obtain a statically determined structure?
   a) $H_a$
   b) $H_b$
   c) Bar #3
   b) Bar #4

4. Horizontal reactions $H_a$ and $H_b$.
   a) $H_a = -2 \text{kN}; H_b = -6 \text{kN}$
   b) $H_a = -4 \text{kN}; H_b = -4 \text{kN}$
   c) $H_a = -5 \text{kN}; H_b = -3 \text{kN}$
   d) $H_a = -8 \text{kN}; H_b = 0 \text{kN}$

5. For the statically determined structure of the previous question, which of the members are not loaded?
   a) Bars 9 and 5
   b) Bars 5 and 2
   c) Bars 9 and 3
   d) Bars 4 and 5

6. Apply the method of the nodes at point A. Normal forces of bar 6 and 7 are:
   a) $N_6 = 2 \text{kN (T)}; N_7 = 2\sqrt{2} \text{kN (C)}$
   b) $N_6 = 2\sqrt{2} \text{kN (C)}; N_7 = 2 \text{kN (T)}$
   c) $N_6 = 2 \text{kN (C)}; N_7 = 2\sqrt{2} \text{kN (T)}$
   d) $N_6 = 2\sqrt{2} \text{kN (T)}; N_7 = 2 \text{kN (C)}$

7. Draw the force laws diagrams