Q1. Problems 2b, 2c.

Q2. Problems 3e, 3f, 3j, 3k.

Q3. Problem 4c. Answer: $R = \frac{3}{8} \Omega$.

Q4. Problem 5b. Answer: $v_{TH} = \frac{72}{31} V$, $i_N = 6 A$, $R_{TH} = \frac{12}{31} \Omega$.

Q5. Problem 6a. Answer: $R \in \{2, 8\} \Omega$.

Q6. Problem 7b. Answer: $R = \frac{7}{2} \Omega$, $P_{max} = \frac{72}{7} W$.

Remark. You are strongly encouraged to attempt the rest of the problems in the problem set ZPS II, which is available on the course web site.