**Note: All answer must be in engineering notation rounded off to the tenth**

1. 

 **2) For the network**

**a. Determine RT (6 pts)**

**b. Find IS, I1, and I2 (6 pts)**

**c. Find voltage Va (6 pts**)

**3) Determine I1 to I5 for the following circuit**



**4) For the following circuit**

**a. Find currents IS, I2, and I6 (6pts, 5 pts, 5 pts)**

**b. Find voltages V1 and V5 (3pts, 5 pts)**

**c. Find the power delivered to the 3 kΩ (4 pts)**

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**5) For the ladder network**

**a. Determine RT (6 pts)**

**b. Calculate I (4 pts)**

**c. Find the power delivered to R7 (10 pts)**

=1.5Ω