Quiz Three (15 minutes, 100 points)

Name: ___________________________  UIN: ___________________________

**Problem 2.33**  Determine $R_{eq}$ at terminals $(a, b)$ in the circuit of Fig. P2.33.
(10 Points)

![Figure P2.33: Circuit for Problem 2.33.](image)

**Problem 2.39**  Find $R_{eq}$ at terminals $(c, d)$ in the circuit of Fig. P2.38.
(20 Points)

![Figure P2.38: Circuit for Problem 2.38.](image)

**Problem 2.42**  Find $R_{eq}$ for the circuit in Fig. P2.42. All resistances are in ohms.
(20 Points)

![Figure P2.42: Circuit for Problem 2.42.](image)
Problem 2.34  Select $R$ in the circuit of Fig. P2.34 so that $V_L = 5$ V.
(50 Points)

Figure P2.34: Circuit for Problem 2.34.