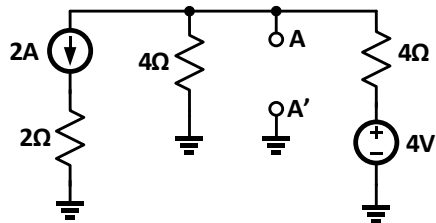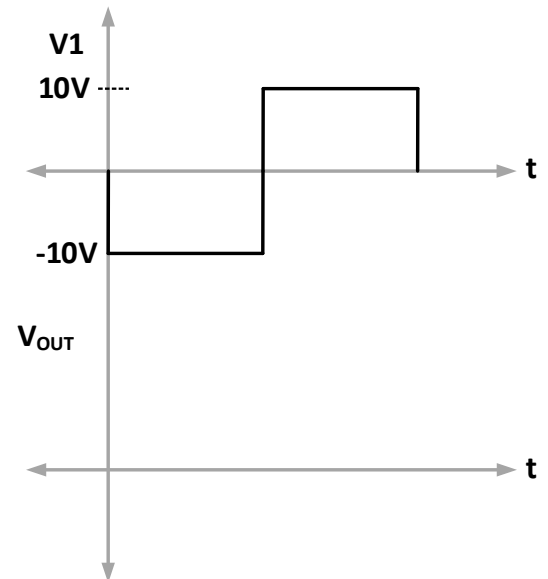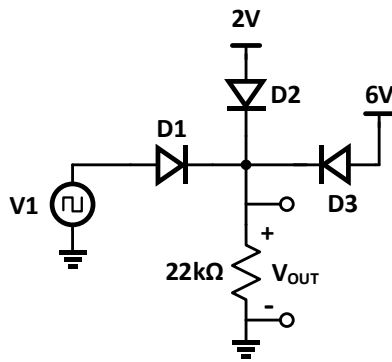**Duration: 20 minutes.** **Good Luck!**

Name_____ **Score** _____

Q1 (10pts): Draw the Thevenin's equivalent circuit across terminal A-A'

Q2 (10pts): <u>Assuming ideal diodes</u>, plot the voltage V$_{OUT}$.

Q3 (10pts): Assuming <u>ideal diodes</u>, calculate <u>current I2</u> in D2 and <u>voltage at node A</u>.