Q1 (10pts): Using the Thevenin's equivalent circuit, calculate the voltage across 5Ω resistor
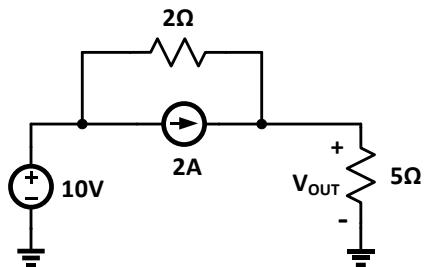
Q2 (10pts): <u>Assuming real diode</u>, plot the voltage V_{OUT}. Note: in the forward bias region, the diode drop is 0.7V.
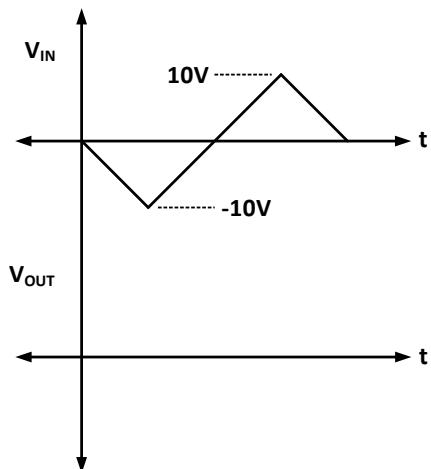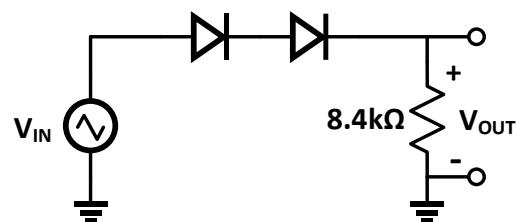
Q3 (10pts): Assuming <u>ideal diodes</u>, calculate current I1 and I2 in diodes D1 and D2.