

ECE3 Fall 2020
Quiz 7

Name _____ | _____
Family (Last) Name Given (First) Name

- a. Hobbyist Lee needs to build a circuit that maximizes v_{out} at 1 KHz. Lee has only one inductor in the parts box, $L=0.15$ H. What must be the value of C to maximize v_{out} ?
- b. However, at maximum v_{out} , the current cannot exceed 10 mA. What must be the value of R to limit the current to 10 mA?

