

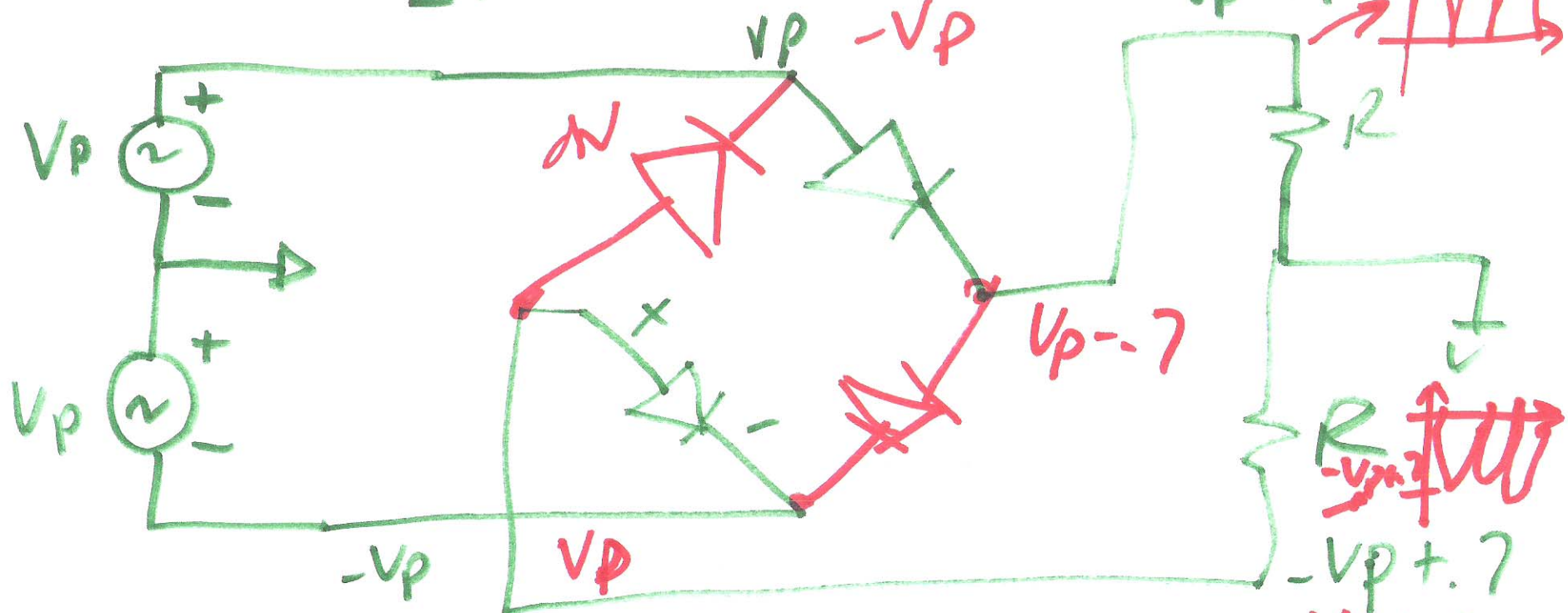
EE 320 Engineering

Electronics I

$$V_{p-.7} - (-V_p) = |2V_{p-.7}|$$

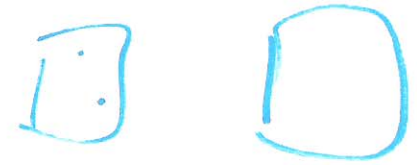
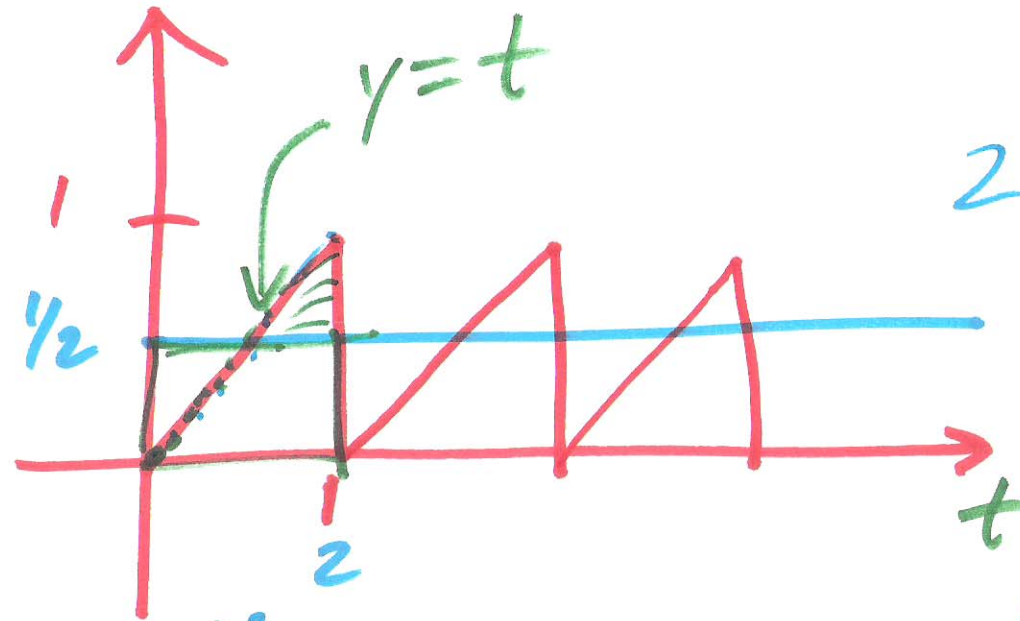
MARCH 16, 2015

Lecture 16



1)

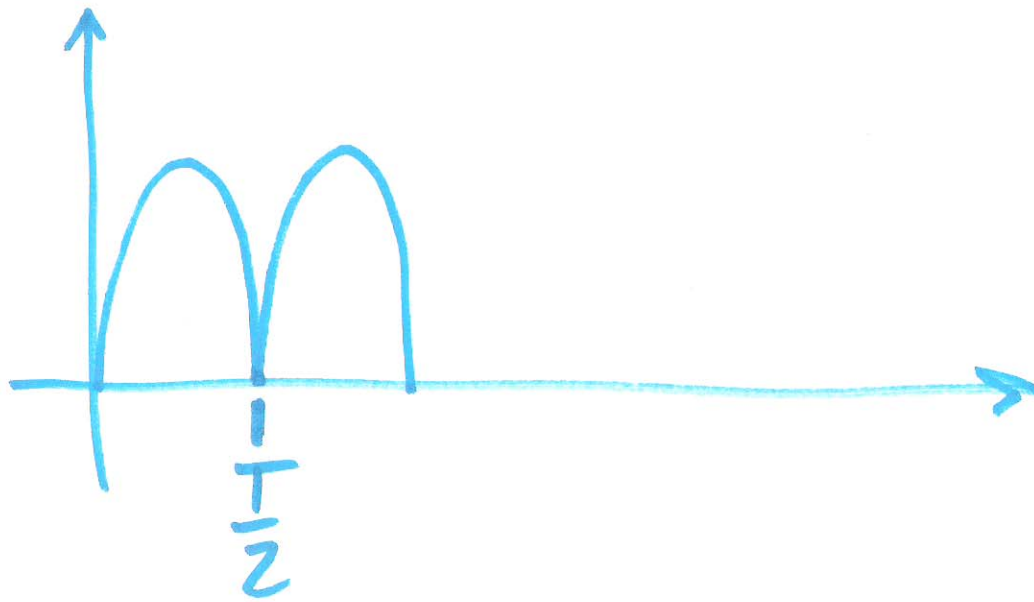
AVERAGE



2 12
7

$$\int_0^2 t dt = \frac{1}{2} t^2 \Big|_0^2 = \frac{1}{2} \cdot 2^2$$

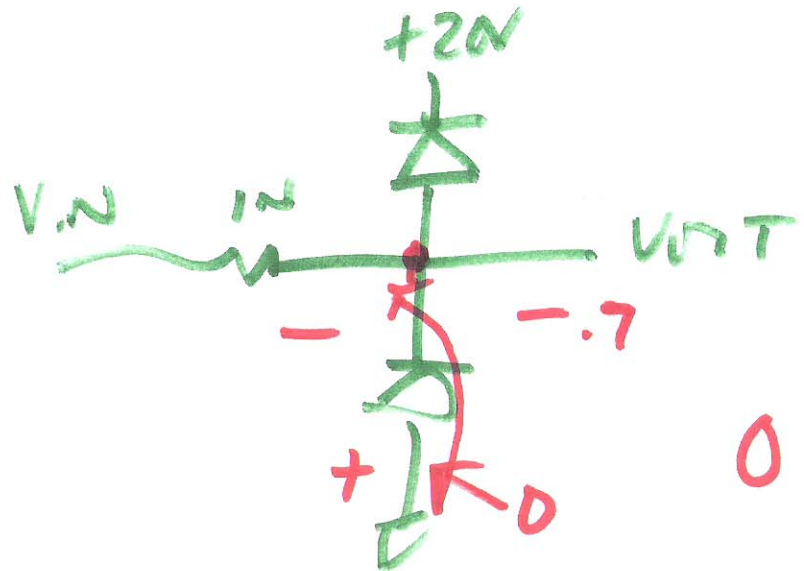
3)



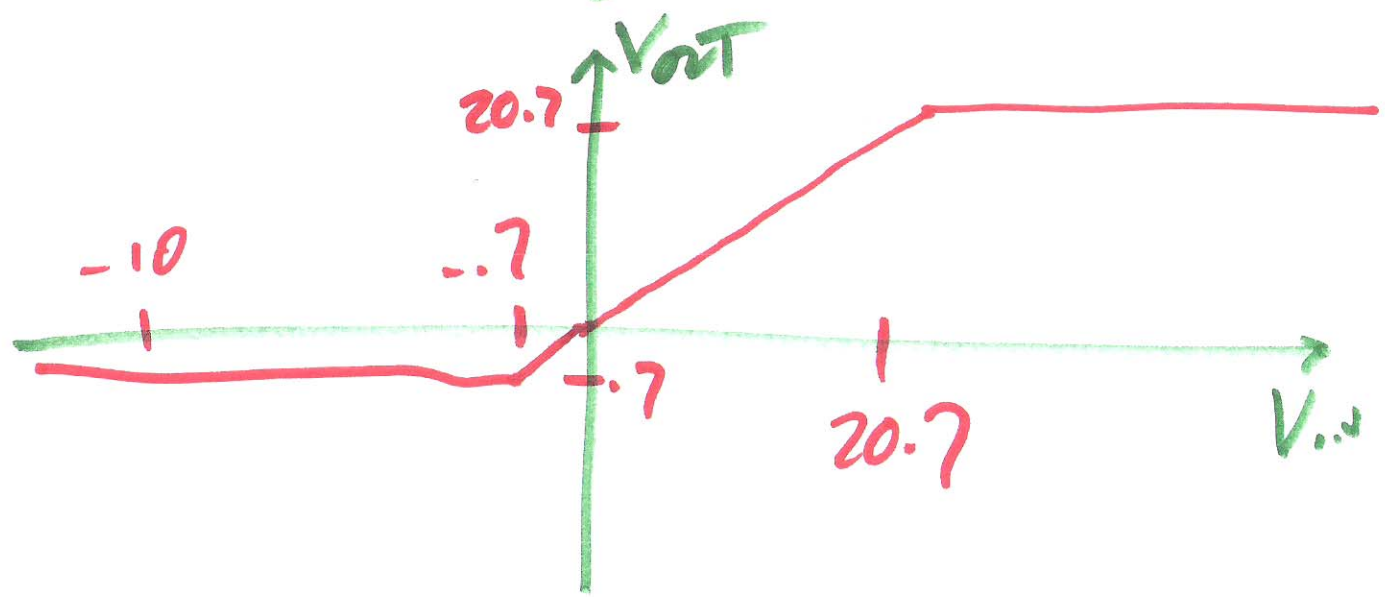
$$(V_p = 7) \int_0^{T/2} \sin 2\pi \frac{1}{T} \cdot t \cdot dt = 12$$

3)

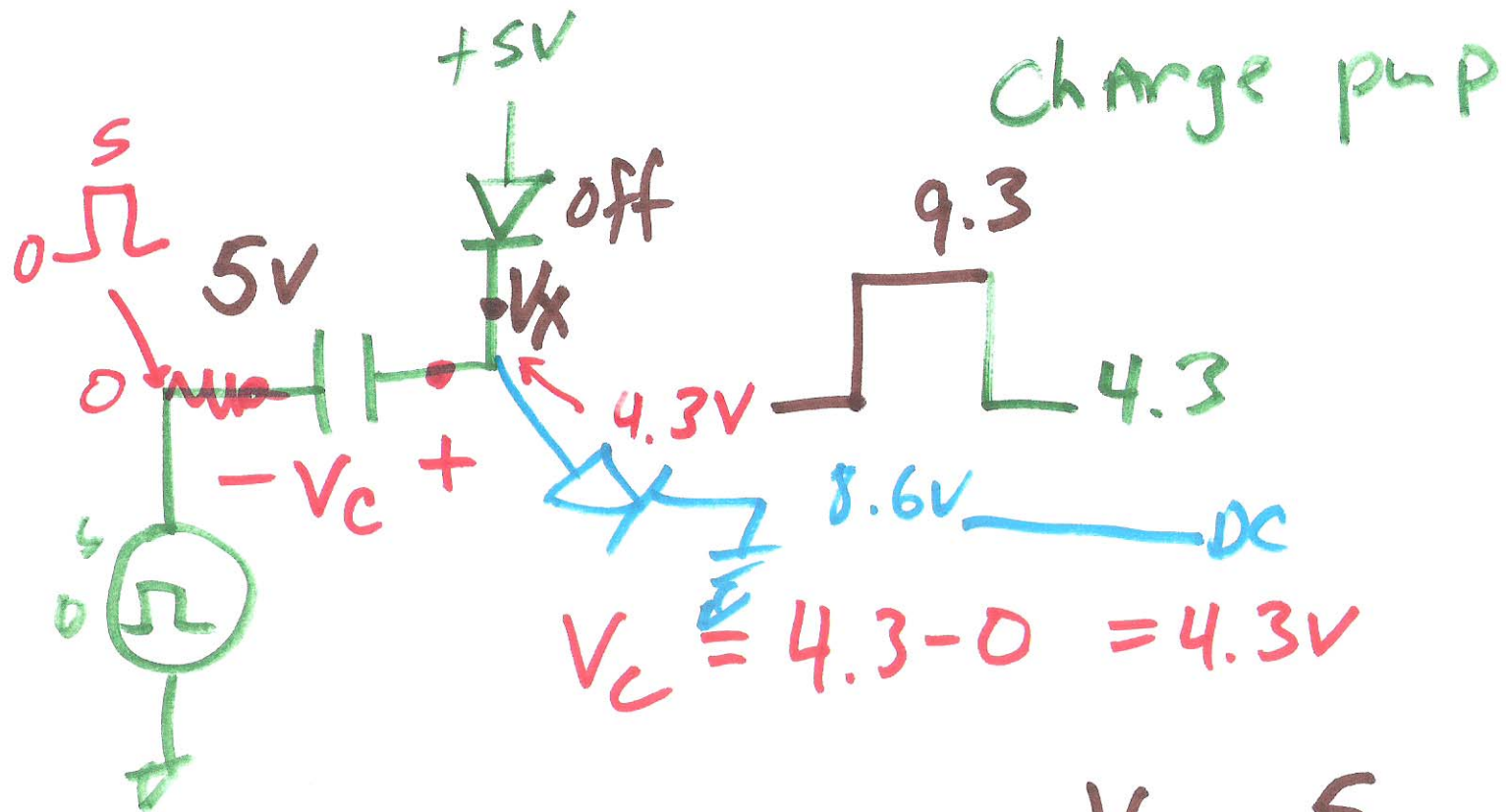
Clipping/clamping



$$0 - (-0.7) = 0.7$$



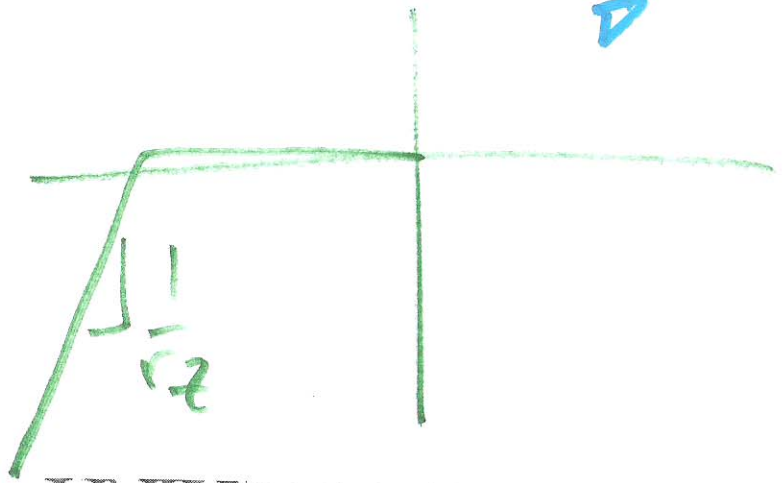
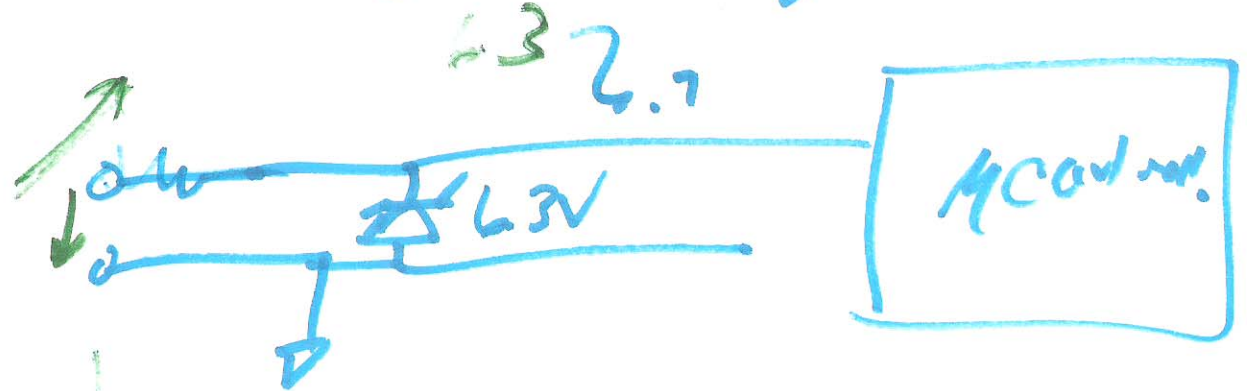
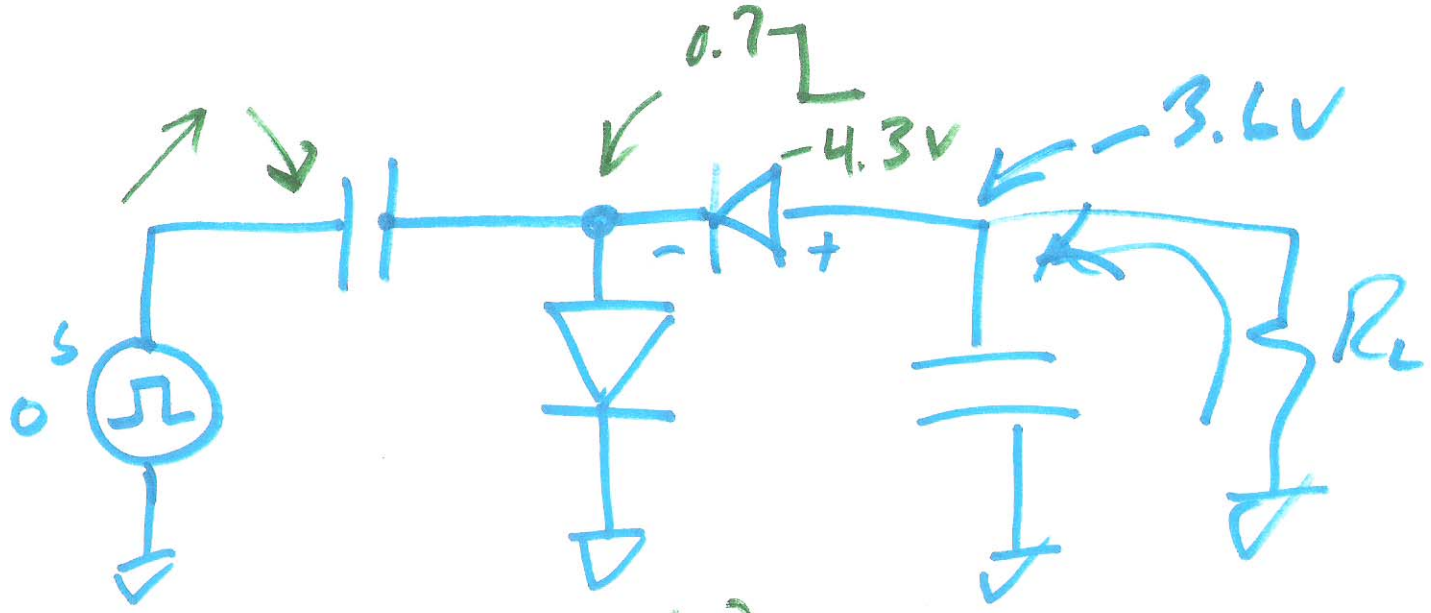
4)



$$4.3V = V_x - 5$$

$$V_x = 9.3V$$

5)



(6)