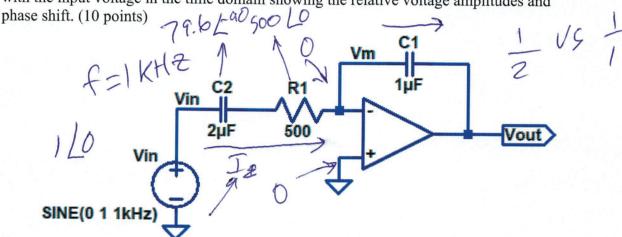
EE 220 CIrcuits 1 12/1/2021 Lecture 27 VIN = 1. SIN (211.103. E) Volts NML = 313 m/0/1/2 214 (SLI. 103. f + 9 do) D= td .360 = td.360.f

9. Find the output voltage of the following circuit using phasor analysis and sketch it along with the input voltage in the time domain showing the relative voltage amplitudes and



$$\frac{120}{500+i(-79.6)} = \frac{120}{79.6} = \frac{120}{5062-9}$$

$$\frac{1}{99.6} = \frac{120}{79.6} = \frac{120}{99.6} = \frac{120}{99.6}$$

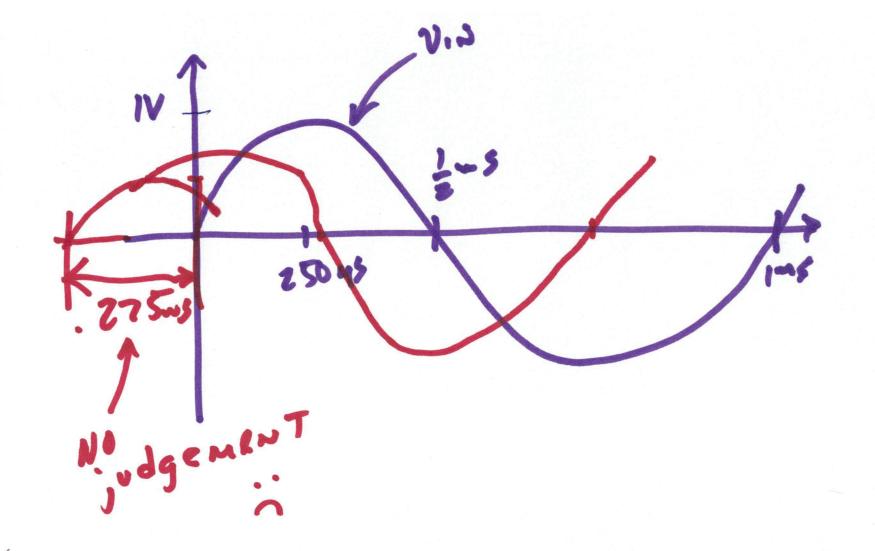
$$\frac{1}{99.6} = \frac{120}{99.6} = \frac{120}{99.6} = \frac{120}{500} = \frac{120}{500}$$

$$\frac{1}{506} \frac{1}{100} = \frac{1}{100} \frac{1}{1$$

$$T = 1.97 \text{ nA } 29 = \frac{0 - Vort}{15328} L^{-90}$$

$$9 + (-90) - (180)$$

$$= -26/0$$



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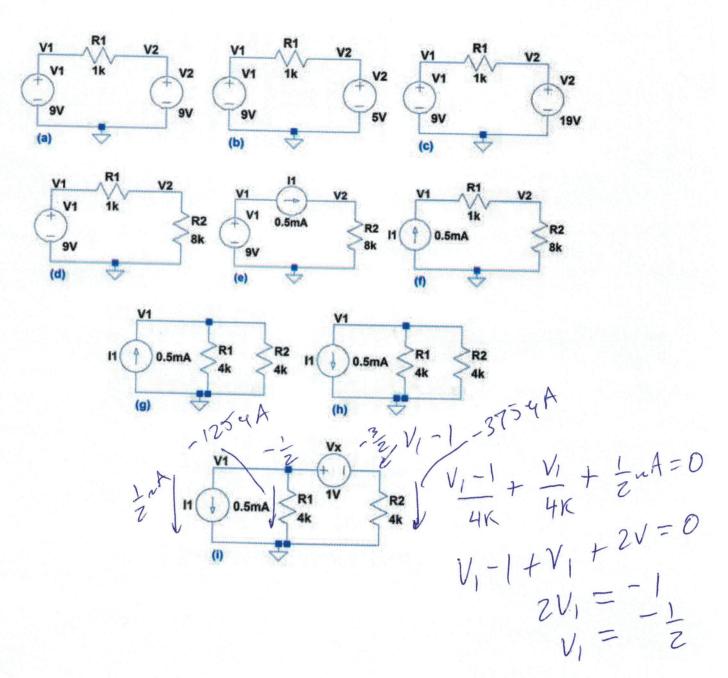
Practice Final Exam – EE 220 Circuits I University of Nevada, Las Vegas

NAME:	
TALLIATE.	

Closed book and notes.

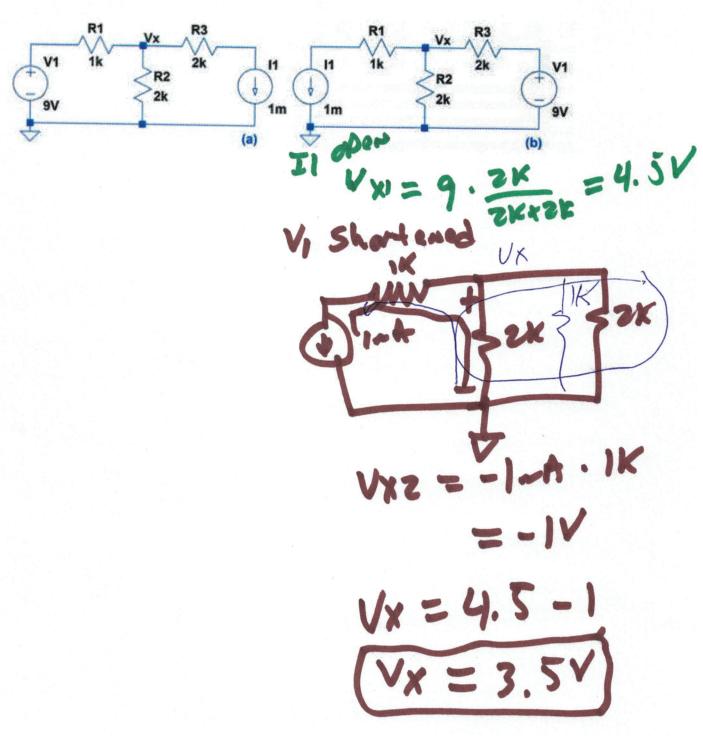
Use the back of the sheet of paper when needed.

1. Find the currents and voltages in the following circuits. Clearly label the values on the schematics. No need to show your hand calculations, simply write the values. (10 points)

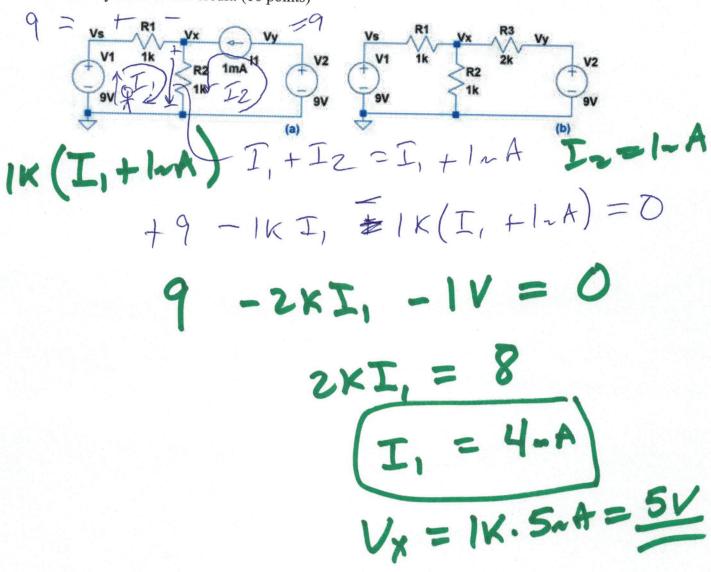




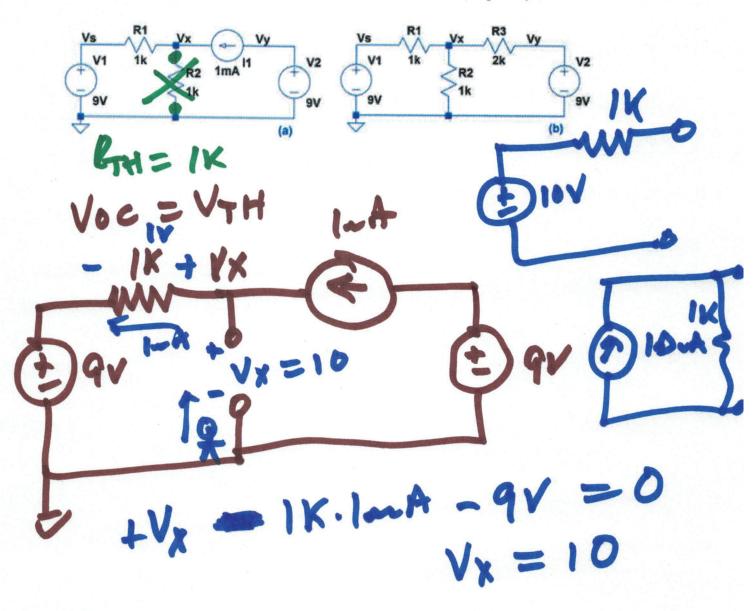
2. Using superposition show how to find Vx in each of the following circuits. Show your work for credit. (10 points)



3. Find the voltages and currents in each of the following circuits using mesh analysis. Show your work for credit. (10 points)

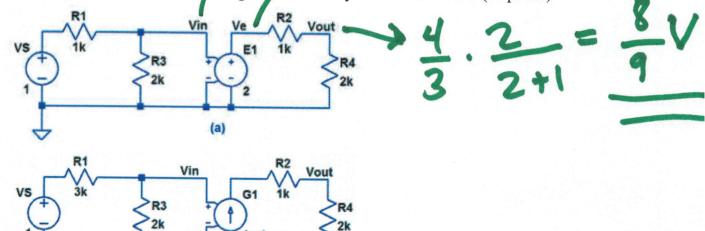


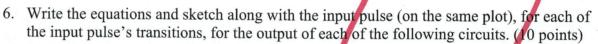
4. Find the Thevenin and Norton equivalent circuits between Vx and ground with R2 removed in the following circuits. Show your work for credit. (10 points)

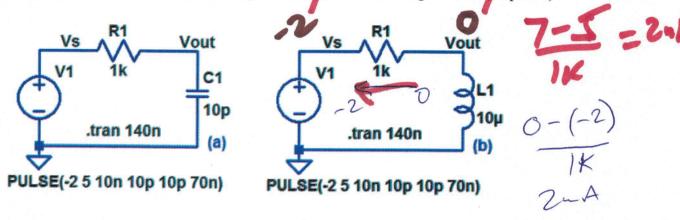


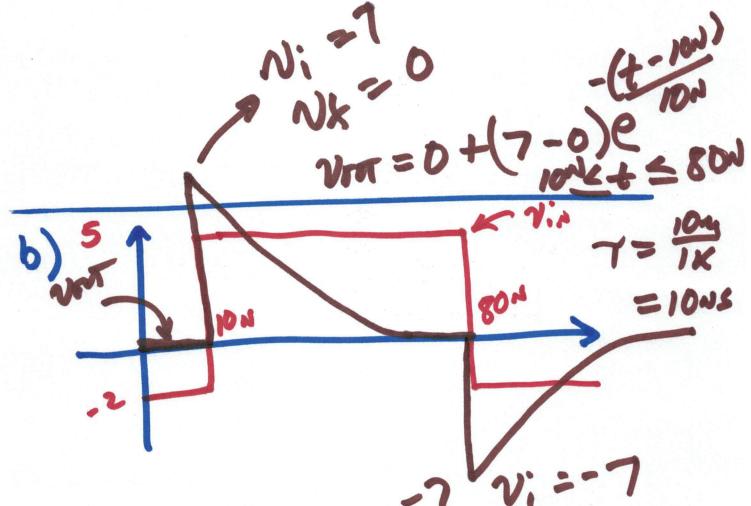


(b)









$$2hT = -7e^{(4-80H)}$$
 $24 = 0$
 $+ \ge 80H$

