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ELEN 100 Lab

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Project 1

$$V_{S} = \frac{C_{1}}{\sqrt{2}} \qquad V_{1n} = \frac{C_{1}}{R_{1} + C_{1}} \qquad V_{S} = \frac{1}{\sqrt{2}} \qquad V_{1n} = \frac{1}{\sqrt{2}} \qquad V_{2n} = \frac{1}{\sqrt{2}} \qquad V_{2n$$

2. 
$$\frac{1}{ab} = R_1 R_2 R_1 C_2$$
  $\frac{a+b}{ab} = R_1 C_2 + R_2 C_2 + C_1 R_3$ 

C.=  $C_2 = 0.1 \, \mu$ F In Mottob...

C. = 3000

b = 20000

R. = 0.667  $+ R_2 = 1.53$ 

Or

R. = 0.667  $+ R_2 = 2.5$ 

3.  $\frac{1}{3} (N_3 + \frac{1}{3} (R_1 = 0) + \frac{1}{3} (N_2 + \frac$ 



