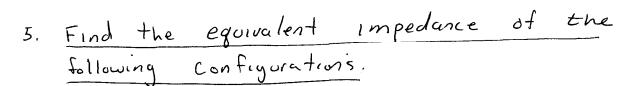
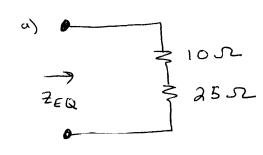
## ECE 210 - FOO HW: Appendix C & Chapter 9

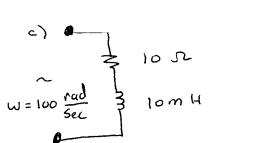
3. Perform the following calculations. Report The answer in rectangular form.

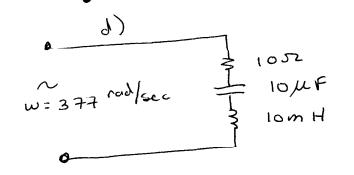
4. Perform the following calculations. Report The answer in polar form.

$$\frac{(a+j)}{(3-j)}$$



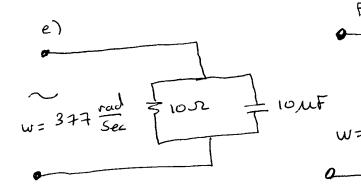


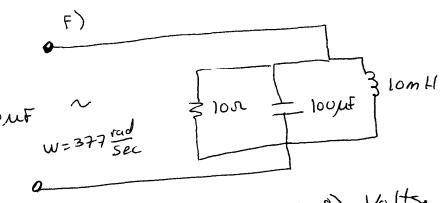




105

b)





6. Find ilt) given  $V(t) = 10 \cos(377t + 20^{\circ})$  Volts.

Hint: Write all elements using complex impedances; 2e = R, 2L = jwh, 2c = -i/wc, and use circuit simplification.

