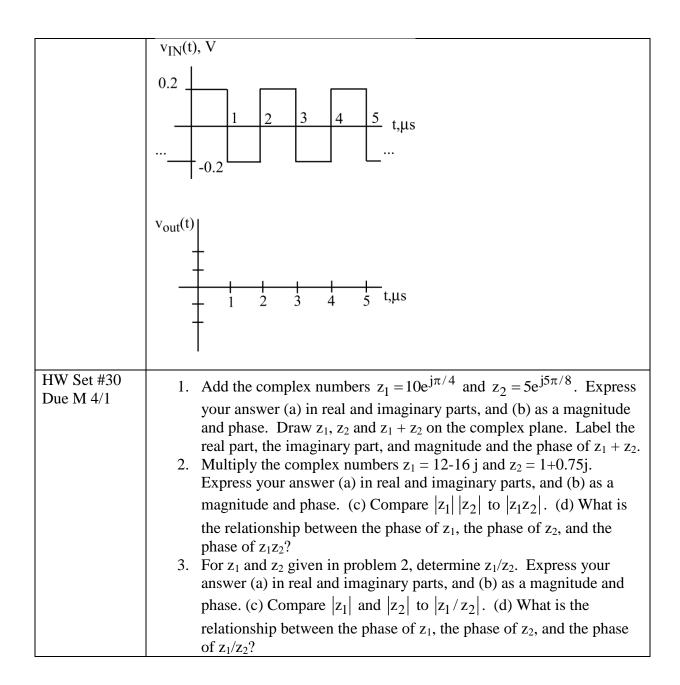
$\begin{array}{c} ECE\ 201 \\ Spring\ 2013 \\ Homework\ Sets \end{array}$ (All problems are from the 3^{rd} edition of DeCarlo and Lin)

HW Set #1	
Due W 1/9	1. Chapter 1 – prob. 1 (For part e, use Figure P1.1b)
Duc W 1/9	2. Chapter 1 – prob. 7(a)
	3. Chapter 1 – prob. 8
HW Set #2	1. Chapter 1 – prob. 11
Due F 1/11	2. Chapter 1 – prob. 13
Due I' 1/11	3. Chapter 1 – prob. 13
	5. Chapter 1 – prob. 17
HW Set #3	1. Chapter 1 – prob. 19 (Be careful. Table 1.2 lists relative, not
Due M 1/14	<u>absolute</u> , resistivities!)
	2. Chapter 1 – prob. 22(a)
	3. Chapter 1 – prob. 27
	4. Chapter 1 – prob. 37
HW Set #4	1. Chapter 2 – prob. 3
Due W 1/16	2. Chapter 2 – prob. 6
	3. Chapter 2 – prob. 14 (there are 2 typos:
	1) In 14.(a), "Figure P2.13" should be "Figure P2.14")
	2) In 14.(b) " $I_1 = 4A$ " should be " $I_{in} = 4A$ "
	4. Chapter 2 – prob. 17
HW Set #5	1. Chapter 2 – prob. 26 (It is the current <u>out</u> of the positive terminal of
Due F 1/18	the source)
Duc 1 1/10	2. Chapter 2 – prob. 32 (a)
	3. Chapter 2 – prob. 40
	Si Chapter 2 proci io
HW Set #6	1. Chapter 2 – prob. 39
Due W 1/23	2. Chapter 2 – prob. 46
	3. Chapter 2 – prob. 63
HW Set #7	1. Chapter 3 – prob. 2
Due F 1/25	2. Chapter 3 – prob. 6(a)
2401 1/23	2. Chapter 5 proof 6(a)
HW Set #8	1. Chapter 3 – prob. 13
Due M 1/28	2. Chapter 3 – prob. 18
	3. Chapter 3 – prob. 26
HW Set #9	1. Chapter 3 – prob. 37
Due W 1/30	2. Chapter 3 – prob. 42
Duc W 1/30	3. Chapter 3 – prob. 42 3. Chapter 3 – prob. 52
	5. Chapter 5 proof 52

HW Set #10	1 Chapter 5 prob 1
	1. Chapter 5 – prob. 1
Due F 2/1	2. Chapter 5 – prob. 21(a)
	3. Chapter 5 – prob. 26
HW Set #11	1. Chapter 5 – prob. 41
Due M 2/4	2. Chapter 5 – prob. 43
HW Set #12	1. Chapter 6 – prob. 2
Due W 2/6	2. Chapter 6 – prob. 5
Due II 2/0	2. Chapter o proc. 3
HW Set #13	1. Chapter 6 – prob. 9(a) and (b)
Due M 2/11	2. Chapter 6 – prob. 17
Due WI 2/11	
	3. Chapter 6 – prob. 21
	4. Chapter 6 – prob. 37
HW Set #14	1 Chapter 6 prob 48
	1. Chapter 6 – prob. 48
Due W 2/13	2. Chapter 6 – prob. 53
	In Figure P6.53, change the symbol inside the circle on the left of the circuit
	to an upward arrow for is1.
HW Set #15	1. Chapter 7 – prob. 2 (Change part (b) to read "Find and plot the
Due F 2/15	instantaneous absorbed power.")
	2. Chapter 7 – prob. 4
HW Set #16	1. Chapter 7 – prob. 12
Due M 2/18	2. Chapter 7 – prob. 16
	3. Chapter 7 – prob. 17
	process, pro
HW Set #17	1. Chapter 7 – prob. 27
Due W 2/20	2. Chapter 7 – prob. 38
Bue 11 2/20	3. Chapter 7 – prob. 41
	3. Chapter / prob. 41
HW Set #18	1. Chapter 8 – prob. 4
Due F 2/22	2. Chapter 8 – prob. 5
Due 1 2/22	
	3. Chapter 8 – prob. 9(b)
HW Set #19	1. Chapter 8 – prob. 18 (a) and (b)
Due M 2/25	1 1 '/ '/
Due M 2/25	2. Chapter 8 – prob. 19 (a) and (b)
	3. Chapter 8 – prob. 20 (a) and (b)
HW Cot #20	1 Chapter 9 prob 19 (a) (b)
HW Set #20	1. Chapter 8 – prob. 18 (c) - (e)
Due W 2/27	2. Chapter 8 – prob. 19 (c) - (e)
	3. Chapter 8 – prob. 20 (c) and (d)
1111 C	1. (1
HW Set #21	1. Chapter 8 – prob. 31
Due F 3/1	2. Chapter 8 – prob. 33

HW Set #22 Due M 3/4	 Chapter 9 – prob. 1 Chapter 9 – prob. 10
HW Set #23 Due W 3/6	 Chapter 9 – prob. 16(b) Chapter 9 – prob. 18 (use C = 10mF instead of C = 8mF) Chapter 9 – prob. 20
HW Set #24 Due M 3/18	 Chapter 9 – prob. 28 Chapter 9 – prob. 32(a) (complete response only)
HW Set #25 Due W 3/20	1. Chapter 9 – prob. 43 2. Chapter 9 – prob. 49 Please use the following figure in place of Figure P9.49 in the textbook.
HW Set #26 Due F 3/22	1. Chapter 4 – prob. 3 2. Chapter 4 – prob. 5
HW Set #27 Due M 3/25	 Chapter 4 – prob. 7 Chapter 4 – prob. 13
HW Set #28 Due W 3/27	 Chapter 6 – prob. 29 Chapter 6 – prob. 31 (Change answer to part b to "(b) 3R"
HW Set #29 Due F 3/29	Chapter 8 – prob. 40(a) The op amps in the following circuit are ideal For v _{IN} (t) as shown in the plot, find and plot v _{out} (t). Label the axis.
	$V_{\text{IN}}(t) \stackrel{\text{def}}{=} 2\text{mH}$



HW Set #31	1. Chapter 10 – prob. 7
Due W 4/3	2. Chapter 10 – prob. 10
	3. Chapter 10 – prob. 14
HW Set #32	1. Chapter 10 – prob. 21
Due F 4/5	2. Chapter 10 – prob. 23
	3. Chapter 10 – prob. 25
HW Set #33	1 Chantau 10 much 20
Due M 4/8	 Chapter 10 – prob. 30 Chapter 10 – prob. 40
Due W 4/6	2. Chapter 10 – prob. 40
HW Set #34	1. Chapter 10 – prob. 46
Due W 4/10	2. Chapter 10 – prob. 54
	3. Chapter 10 – prob. 60
HW Set #35	1. Chapter 10 – prob. 66
Due M 4/15	2. Chapter 10 – prob. 68
HW Set #36	1. Chapter 11 – prob. 1
Due W 4/17	2. Chapter 11 – prob. 2
	r
HW Set #37	1. Chapter 11 – prob. 5
Due F 4/19	2. Chapter 11 – prob. 7
	3. Chapter 11 – prob. 9
	4. Chapter 11 – prob. 10
HW Set #38	1. Chapter 11 – prob. 17
Due M 4/22	2. Chapter 11 – prob. 17
2 30 111 1/22	2. Chapter 11 proof 20
HW Set #39	1. Chapter 11 – prob. 22
Due W 4/24	2. Chapter 11 – prob. 23
	3. Chapter 11 – prob. 26
	The last sentence before (a) should be: "This constitutes a pf of 0.866
	lagging."
HW Set #40	1. Chapter 11 – prob. 30
Due F 4/26	2. Chapter 11 – prob. 37
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