Homework Set 2   **EECS 206**   **Assigned: Wed., Sept. 19, 2001**
                                                       Due: Wed., Sept. 27, in class,
                                                       BEFORE lecture begins.

Reading relevant to this homework: Chapter 2, all.

Homework submission policies are the same as for the previous homework. For your convenience, they are repeated at the end of the assignment.

1.   2.5 (a), p. 44

2.   2.7 (a,b,e), p. 44

3.   2.8, p. 44

4.   2.9 (a,c), p. 45, (the phase angles in your expressions should be in radians)

5.   2.10, p. 45 (the phase angle should be expressed in radians)

6.   2.13(a), p. 45 (the plot should be a hand sketch)

7.   2.14, p. 45

8.   2.16, p. 46

9.   Find phase angles ϕ and θ (in radians)   such that

$$\cos(6t) + \cos(6t+\phi) \;=\; \cos(6t + \theta)$$

Homework submission policies:

      Write neatly and legibly. The graders will not grade papers that are illegible or difficult to read.

      Submit the problems in the assigned order.

      Clearly write your name, lecture session number, and lab session number at the top of your paper.

      Staple your paper in the upper left corner.

      Hand in your homework before the start of the lecture to which you are registered, i.e. before 10:40 or 2:40.

See the collaboration policy described on the first day handout and on the website.