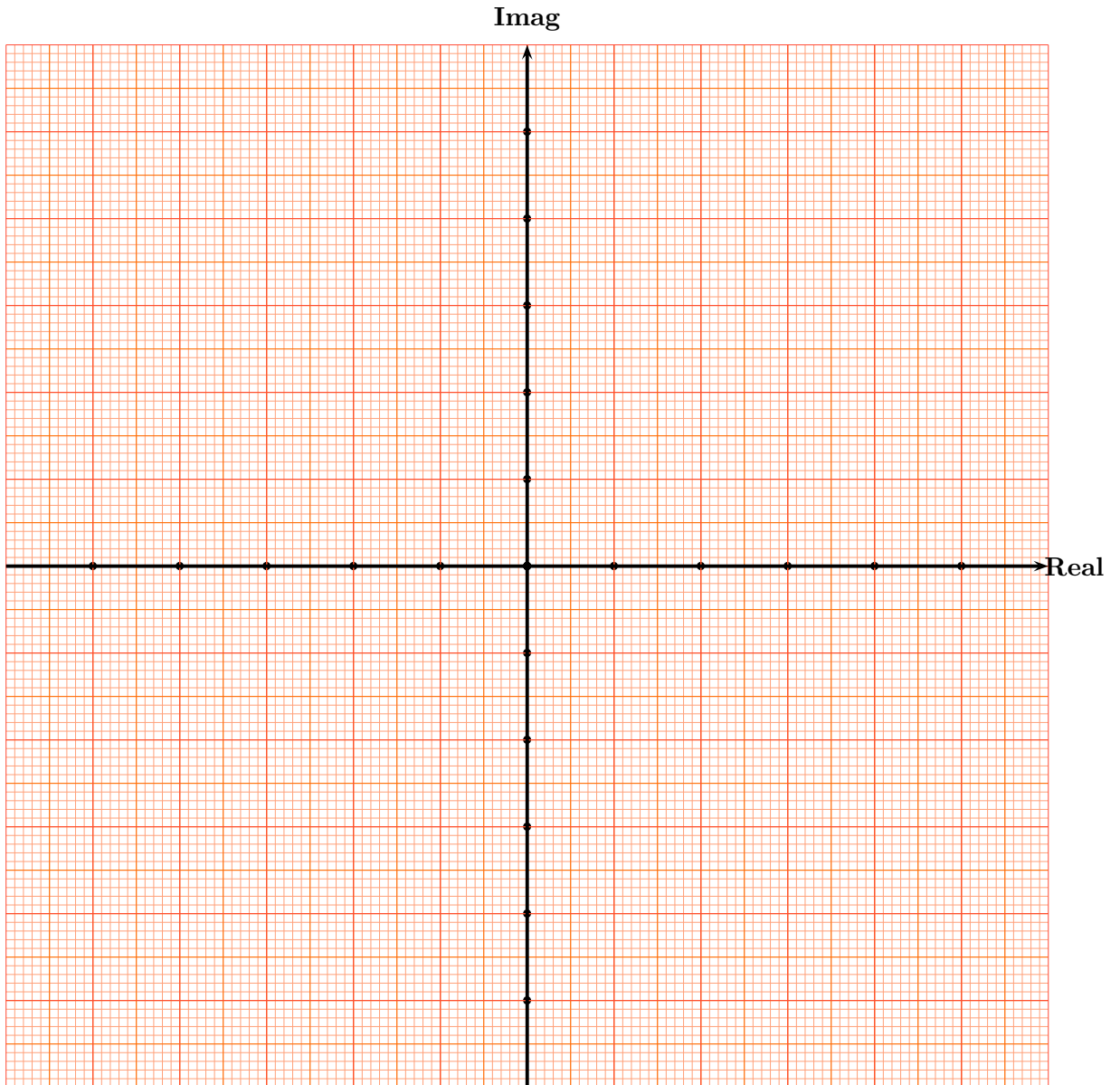


Math 13 Fall 2005
Instructor : N. Apostolakis
Quiz 1
September 28 2005

Name: _____
Section: _____

1. Add $2 - 5j$ and $3 + 2j$ graphically.



2. Represent $-5 + 3j$ in exponential form.

3. Represent $4e^{j\pi/4}$ in rectangular form.

4. Perform the following multiplication

$$[2(\cos 60^\circ + j \sin 60^\circ)] [5(\cos 30^\circ + j \sin 30^\circ)] .$$

Give your answer in rectangular form.

5. Find all values of

$$\sqrt[4]{16e^{j\pi/3}} .$$

Give your answers in exponential form.