January 28, 2001

Math 403, section 1

Locate some complex numbers

At least 2 students and no more than 4 students *must* work on this problem. Please print the names of those working on this problem:

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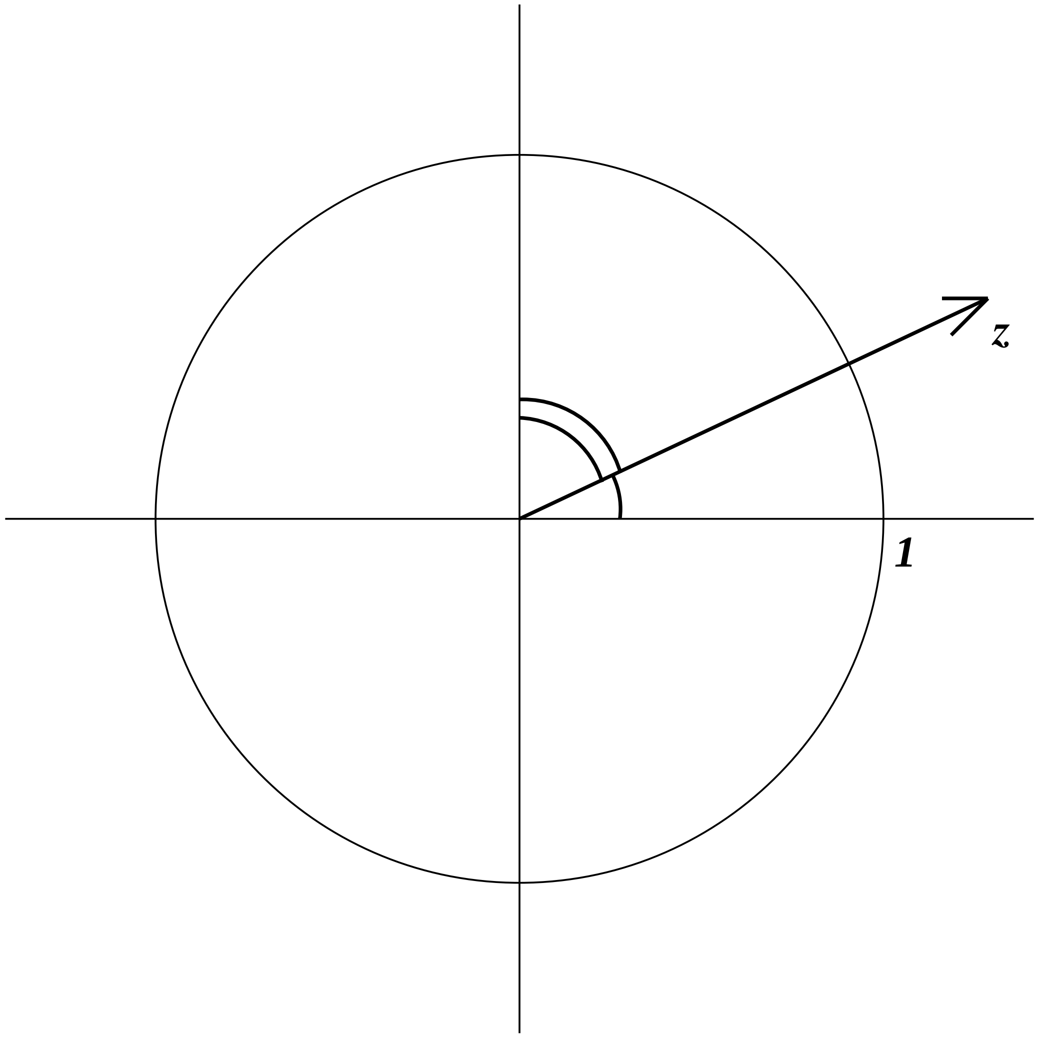

Suppose z is the complex number pictured. Draw and label the following complex numbers as well as you can:

$$\mathbf{A} = \tfrac{1}{2}z \qquad \mathbf{B} = -z \qquad \mathbf{C} = iz \qquad \mathbf{D} = \overline{z} \qquad \mathbf{E} = \frac{1}{z} \qquad \mathbf{F} = z^2$$