Practice for section 2.4 Complex numbers

The following problems will help you practice the material you learned today. Once you are finished check your solutions. Once done, you can work on your WeBWorK homework.

1. Determine the sum, difference, product and quotient of these two complex numbers.

   3-2i   1+4i

2. Find the first six powers of this complex number: (2i)

3. Find the value of: $(2\text{-}3i)^3$

4. Find the value of: $(\text{-}i)^{53}$

5. Simplify and write in complex form: $\dfrac{2}{1-i} + \dfrac{3}{2+3i}$