

Chris Bendel and Peter Cholak Math 222 Wednesday January 27

Be sure to carefully write up your answers. It is suggested that you first write out a draft of your proposed questions and then carefully rewrite that draft to get your final version. You do *not* have to write the answers on this sheet of paper.

Find all the square roots of the first sixth root of unity. Write them in the form $a + bi$. Are these numbers root of unity and if so for which n ?

Section 2.3: Problem 19.