

**General Algebra II Class Worksheet #3 Unit 7** \_\_\_\_\_

Express each of the following as imaginary numbers in bi form. (Simplify any square roots.)

1.  $\sqrt{-9} =$  \_\_\_\_\_

2.  $\sqrt{-64} =$  \_\_\_\_\_

3.  $\sqrt{-2} =$  \_\_\_\_\_

4.  $\sqrt{-24} =$  \_\_\_\_\_

5.  $\sqrt{-50} =$  \_\_\_\_\_

6.  $\sqrt{-54} =$  \_\_\_\_\_

Express each of the following in simplest form.

7.  $\sqrt{-72} =$  \_\_\_\_\_

8.  $\sqrt[3]{-72} =$  \_\_\_\_\_

9.  $\sqrt{\frac{-4}{5}} =$

10.  $\sqrt[3]{\frac{-7}{9}} =$

11.  $\sqrt{-1.5} =$

12.  $\sqrt[3]{-1.5} =$