

Algebra II Class Worksheet #3 Unit 5 _____

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

1. $\sqrt{-9} = \underline{\hspace{2cm}}$

2. $\sqrt{-64} = \underline{\hspace{2cm}}$

3. $\sqrt{-2} = \underline{\hspace{2cm}}$

4. $\sqrt{-24} = \underline{\hspace{2cm}}$

5. $\sqrt{-50} = \underline{\hspace{2cm}}$

6. $\sqrt{-54} = \underline{\hspace{2cm}}$

Express each of the following in simplest form.

7. $\sqrt{-72} = \underline{\hspace{2cm}}$

8. $\sqrt[3]{-72} = \underline{\hspace{2cm}}$

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

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

11. $\sqrt{-1.5} =$

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