

General Algebra II Worksheet #3 Unit 7 page 1 _____

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

1. $\sqrt{-4} =$ _____

2. $\sqrt{-49} =$ _____

3. $\sqrt{-7} =$ _____

4. $\sqrt{-12} =$ _____

5. $\sqrt{-6} =$ _____

6. $\sqrt{-48} =$ _____

7. $\sqrt{-20} =$ _____

8. $\sqrt{-128} =$ _____

Express each of the following in simplest form.

9. $\sqrt{225} =$ _____

10. $\sqrt[3]{216} =$ _____

11. $\sqrt{-64} =$ _____

12. $\sqrt[3]{-64} =$ _____

13. $\sqrt{\frac{5}{9}} =$

14. $\sqrt[3]{\frac{3}{5}} =$

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Express each of the following in simplest form.

15. $\sqrt{\frac{-7}{8}} =$

16. $\sqrt[3]{\frac{-5}{12}} =$

17. $\sqrt{2.5} =$

18. $\sqrt[3]{2.5} =$

19. $\sqrt{-1.25} =$

20. $\sqrt[3]{-0.96} =$