

General Algebra II Worksheet #2 Unit 7 page 1

Express each of the following in simplest form.

1. $\sqrt{\frac{4}{9}} =$

2. $\sqrt[3]{\frac{1}{8}} =$

3. $\sqrt{\frac{25}{64}} =$

4. $\sqrt[3]{\frac{-1}{64}} =$

5. $\sqrt{\frac{81}{16}} =$

6. $\sqrt[3]{\frac{8}{27}} =$

7. $\sqrt{\frac{3}{4}} =$

8. $\sqrt[3]{\frac{3}{4}} =$

9. $\sqrt{\frac{5}{8}} =$

10. $\sqrt[3]{\frac{5}{8}} =$

11. $\sqrt{\frac{4}{5}} =$

12. $\sqrt[3]{\frac{4}{5}} =$

13. $\sqrt{\frac{7}{16}} =$

14. $\sqrt[3]{\frac{3}{8}} =$

15. $\sqrt{\frac{5}{12}} =$

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

17. $\sqrt{0.25} =$

18. $\sqrt[3]{0.001} =$

General Algebra II Worksheet #2 Unit 7 page 2

Express each of the following in simplest form.

19. $\sqrt{1.44} =$

20. $\sqrt[3]{-0.125} =$

21. $\sqrt{0.2} =$

22. $\sqrt[3]{0.12} =$

23. $\sqrt{1.6} =$

24. $\sqrt[3]{-2.5} =$

25. $\sqrt{0.5} =$

26. $\sqrt[3]{0.5} =$

27. $\sqrt{0.75} =$

28. $\sqrt[3]{0.75} =$

29. $\sqrt{3.2} =$

30. $\sqrt[3]{3.2} =$

Perform the indicated operations. Express your answers in simplest form.

31. $\sqrt{\frac{3}{4}} + \sqrt{\frac{1}{3}} =$

32. $\sqrt{\frac{2}{5}} - \sqrt{\frac{9}{10}} =$

33. $\sqrt[3]{\frac{2}{9}} + \sqrt[3]{\frac{3}{4}} =$

34. $\sqrt[3]{\frac{4}{5}} - \sqrt[3]{\frac{1}{10}} =$