Algebra II   Class Worksheet #2   Unit 5 _____

Express each of the following in simplest form.

1. $\sqrt{\dfrac{1}{4}} =$

2. $\sqrt[3]{\dfrac{1}{27}} =$

3. $\sqrt{\dfrac{16}{49}} =$

4. $\sqrt[3]{\dfrac{-8}{27}} =$

5. $\sqrt{\dfrac{5}{9}} =$

6. $\sqrt[3]{\dfrac{7}{8}} =$

7. $\sqrt{\dfrac{2}{3}} =$

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

9. $\sqrt{\dfrac{9}{10}} =$

10. $\sqrt[3]{\dfrac{-8}{9}} =$

11. $\sqrt{0.36} =$

12. $\sqrt[3]{0.125} =$

13. $\sqrt{1.5} =$

14. $\sqrt[3]{-1.6} =$

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

15. $\sqrt{\dfrac{1}{5}} + \sqrt{\dfrac{5}{9}} =$

16. $\sqrt[3]{\dfrac{3}{8}} + \sqrt[3]{\dfrac{1}{9}} =$

17. $\sqrt{\dfrac{7}{8}} - \sqrt{\dfrac{2}{7}} =$

18. $\sqrt[3]{\dfrac{5}{9}} - \sqrt[3]{\dfrac{3}{25}} =$