

## Algebra II Class Worksheet #2 Unit 10

---

Evaluate each of the following.

1.  $49^{\frac{1}{2}} =$

2.  $49^{\frac{-1}{2}} =$

3.  $49^{\frac{3}{2}} =$

4.  $27^{\frac{1}{3}} =$

5.  $27^{\frac{2}{3}} =$

6.  $27^{\frac{-2}{3}} =$

7.  $\left(\frac{4}{25}\right)^{\frac{1}{2}} =$

8.  $\left(\frac{4}{25}\right)^{\frac{-3}{2}} =$

9.  $\left(\frac{27}{64}\right)^{\frac{-2}{3}} =$

Express each of the following using standard radical form.

10.  $5^{\frac{1}{2}} =$

11.  $5^{\frac{-1}{2}} =$

12.  $5^{\frac{3}{2}} =$

13.  $5^{\frac{-3}{2}} =$

14.  $18^{\frac{1}{2}} =$

15.  $18^{\frac{-1}{2}} =$

16.  $\left(\frac{5}{9}\right)^{\frac{1}{2}} =$

17.  $\left(\frac{5}{9}\right)^{\frac{-1}{2}} =$

18.  $\left(\frac{3}{8}\right)^{\frac{1}{2}} =$