

Name \_\_\_\_\_

Date \_\_\_\_\_

### Solving Exponential Equations (lacking a common base)- Independent Practice Worksheet

Complete all the problems.

1. Solve the exponential equation  $7^g = 14$

2. Solve the exponential equation  $6^u = 22$

3. Solve the exponential equation  $7^{x-2} = 7$

4. Solve the exponential equation  $(0.66)^k = 9$

5. Solve the exponential equation  $8^a = 16$

6. Solve the exponential equation  $12^z = 25$

7. Solve the exponential equation  $4^{x-5} = 8$

8. Solve the exponential equation  $(0.28)^v = 7$

9. Solve the exponential equation  $2^y = 18$

10. Solve the exponential equation  $17^b = 36$

