



## Understanding Exponents

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write the base and exponent.**

1.  $(4p)^4$

2.  $(7j)^3$

3.  $(4f)^8$

4.  $v^3$

5.  $1^5$

6.  $g^1$

7.  $3^5$

8.  $g^3$

9.  $1^6$

10.  $i^2$

11.  $(9t)^1$

12.  $8^2$

base	exponent
4p	4
7j	3
4f	8
v	3
1	5
g	1
3	5
g	3
1	6
i	2
9t	1
8	2

**Solution Steps**

$$1) (4p)^4$$

The base is the bottom number,  $4p$

The exponent is the top number,  $4$

$$2) (7j)^3$$

The base is the bottom number,  $7j$

The exponent is the top number,  $3$

$$3) (4f)^8$$

The base is the bottom number,  $4f$

The exponent is the top number,  $8$

$$4) v^3$$

The base is the bottom number,  $v$

The exponent is the top number,  $3$

$$5) 1^5$$

The base is the bottom number,  $1$

The exponent is the top number,  $5$

$$6) g^1$$

The base is the bottom number,  $g$

The exponent is the top number,  $1$

$$7) 3^5$$

The base is the bottom number,  $3$

The exponent is the top number,  $5$

$$8) g^3$$

The base is the bottom number, g  
The exponent is the top number, 3

$$9) 1^6$$

The base is the bottom number, 1  
The exponent is the top number, 6

$$10) i^2$$

The base is the bottom number, i  
The exponent is the top number, 2

$$11) (9t)^1$$

The base is the bottom number, 9t  
The exponent is the top number, 1

$$12) 8^2$$

The base is the bottom number, 8  
The exponent is the top number, 2