Name_____

Date_____ Period_____

Write the base and exponent.

	base	exponent

1. $(8y)^8$

2. f^5

3. $(7b)^1$

4. $(9e)^4$

5. r^2

6. 3^5

7. q^9

8. 3^8

9. p^2

10. 7^4

11. $(8m)^1$

12. 6^3

Name_____

Date_____ Period_____

Write the base and exponent.

	base	exponent
1. $(8y)^8$	8y	8
2. f^5	f	5
3. $(7b)^1$	7b	1
4. $(9e)^4$	9e	4
5. r^2	r	2
6. 3^5	3	5
7. q^9	q	9
8. 3^8	3	8
9. p^2	p	2
10. 7^4	7	4
11. $(8m)^1$	8m	1
12. 6^3	6	3

Understanding Exponents

Solution Steps

1) $(8y)^8$

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

2) f^5

The base is the bottom number, f
The exponent is the top number, 5

3) $(7b)^1$

The base is the bottom number, 7b
The exponent is the top number, 1

4) $(9e)^4$

The base is the bottom number, 9e
The exponent is the top number, 4

5) r^2

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

6) 3^5

The base is the bottom number, 3
The exponent is the top number, 5

7) q^9

The base is the bottom number, q
The exponent is the top number, 9

8)

3^8

The base is the bottom number, 3
The exponent is the top number, 8

9)

p^2

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

10)

7^4

The base is the bottom number, 7
The exponent is the top number, 4

11)

$(8m)^1$

The base is the bottom number, 8m
The exponent is the top number, 1

12)

6^3

The base is the bottom number, 6
The exponent is the top number, 3