

NAME _____

E86

Exponents (Square Numbers)

EXTEND
YOUR
KNOWLEDGE

You can show that 16 is a square number by writing factors.

Or, you can show that 16 is a square number by writing an exponent.

$$4 \times 4$$

$$4^2$$

Exponent

4 is used as a factor 2 times.
 4^2 is read four squared.

Find these square numbers.

1. 3^2

2. 8^2

3. 1^2

4. 12^2

5. 10^2

6. 15^2

7. 21^2

8. 25^2

9. 50^2

Extra Credit

Complete the table.

Extra Credit!

Factors	Factor with an Exponent	Product
2×2	2^2	4
11×11		
	4^2	
	7^2	
6×6		
	5^2	
10×10		

Name _____

Date _____

Binomials Squared

Example $23^2 = (20+3)^2 =$ _____

	20 + 3		
20	400	60	400
+ 3	60	9	60 60 + 9 <hr style="width: 50%; margin: 0 auto;"/> 529

TRY THESE

a) $28^2 =$

b) $37^2 =$

d) $46^2 =$

e) $75^2 =$
