

Name \_\_\_\_\_

# Squaring Numbers

Answer the following questions.

- 1) If the square of a number is 961, what is the number?  
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- 2) The square of a number is 441. If you add 20 to that number and then square the result, what is the new square? \_\_\_\_\_
- 3) Find the square of the sum of the digits of the number 72. \_\_\_\_\_
- 4) The difference between the square of 25 and the square of 23 is? \_\_\_\_\_
- 5) The square of a two-digit number is 1521. If you subtract 1 from the number and then square it, what is the new square? \_\_\_\_\_
- 6) Find the square of the sum of the digits of the number 123. \_\_\_\_\_
- 8) If the sum of the squares of two consecutive numbers is 85, what is the smaller number? \_\_\_\_\_
- 7) The difference between the square of a number and the square of the next number is 63. Find the number.  
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- 9) Find the square of the number halfway between 20 and 30. \_\_\_\_\_
- 10) If the square of a number is increased by 99, the result is 1350. Find the number. \_\_\_\_\_