Homework-1

Let x be an integer, and R(x) is a function that returns the reverse of the x in terms of its digits. For example , if x:1234 then R(x)=4321. Let's call a positive integer **mirror-friendly** if it satisfies the following condition:

$$x + R(x) = y^2 \text{ where } y \text{ is an integer}$$

Write a program that reads a positive integer as **n** from the user and prints out a line for each of the first n mirror-friendly integers as follows:

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x + R(x) = y^2
```

Note that you should print the values of x, y, and R(x). (See the example below)

Example:

If the user enters 5 as n, then the program should print out the following:

2 + 2 = 2^2

8 + 8 = 4^2

29 + 92 = 11^2

38 + 83 = 11^2

47 + 74 = 11^2