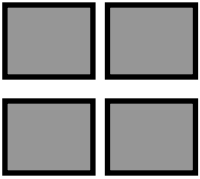# Building A Square Patio

Name_____

> You want to build a square patio in your yard with some square tiles. Because you don't know exactly how big you want it how many tiles you will need to build it, you decide to build a model using one-inch square tiles to help you.

1. Use the patterns from the table to write the algebraic expressions for # 6.
2. Use the algebraic expression to complete # 7-10.

Sketch the patio	Length of side	number added on	perimeter	area
1.	1"	1	4"	$1^2 = 1$
2.	2"			
3.	3"			
4.	4"			
5.	5"			
6.	X"			
7.	10 "			
8.	25"			
9.	6.5 "			
10.	3 ½ "			