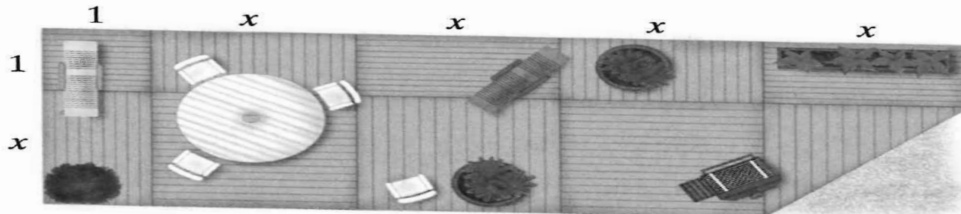


Name: _____

Completing the Square Challenge

Suppose you want to design a patio like the one shown below.



- Write an expression for the total area.
- If you want the total area to be 200 ft^2 , what is the value of x ?
- If you rounded the value of x to the nearest integer, what would the total area be?