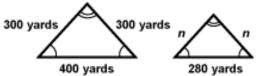
The town of Hillsville has a triangular walking trail, as shown on the left. Perry wants to construct a similar trail in his town, but he has only enough space for a base of 280 yards.



The length *n* of each of the other two sides of Perry's trail will be _____ yards.