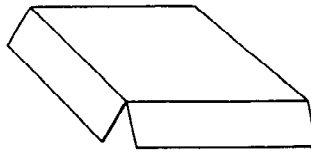
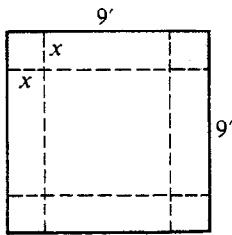
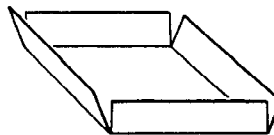
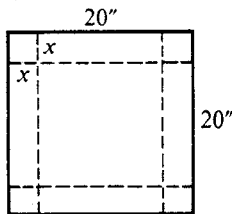


■ *Solve. See the list of geometric formulas in the Review of Elementary Topics.*

97. A camper shell is made from a square sheet of metal measuring 9 feet on a side as follows. First, four equal squares are cut from the corners. The sides are then bent down and riveted together as shown. The cut-out squares are x feet on a side.



- Write expressions for the length, width, and height of the camper shell.
 - Write an expression for the volume enclosed by the camper shell. Express the volume as a polynomial.
 - Write an expression for the surface area of the camper shell. Express the surface area as a polynomial.
98. A square metal cake pan is made from a sheet of metal measuring 20 inches by 20 inches as follows. First, four equal squares are cut from the corners. The sides are then bent up and welded together as shown. The cut-out squares are x inches on a side.



- Write expressions for the length, width, and height of the cake pan.
 - Write an expression for the volume of the cake pan. Express the volume as a polynomial.
 - Write an expression for the surface area of the cake pan. Express the surface area as a polynomial.
99. Three cylindrical kitchen canisters are each 18 centimeters tall but are of different radii. The radius of the second canister is 2 centimeters greater than the