Problem-Solving Application: Use Formulas

1. Nate installs 324 square feet of carpet in a house. The room is 18 feet long. What is the width of the room?

   **UNDERSTAND**

   What is the question?
   
   ________________________________
   
   What information do you know?
   
   ________________________________

   **PLAN**

   Which formula can you use to find the width of the room?
   
   ________________________________

   **SOLVE**

   Find the width of the room.
   
   ________________________________
   
   What shape is the room?
   
   ________________________________

   **LOOK BACK**

   How can you check your answer?
   
   ________________________________

Solve.

2. Store It Yourself offers a stall with 2,000 cubic feet of storage for a low price. The ceilings are 8 feet high and the width of the stall is 10 feet. What is the length of the stall?

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