



5. A farmer wants to build a rectangular pen on the side of his 20ft by 20ft square barn. He only needs to fence in three of the sides since the other side must lie completely along the side of the barn. He has 50 feet of fencing. What is the area and dimensions of the largest area he can fence in? Draw a picture of the maximum size pen.

What if his barn was 30ft by 30ft and he wanted to build a fence with 50ft of fencing?

More Practice from Textbook 5.6: You should do as many problems from each set (1-18, 19-28, as needed until you are comfortable with these techniques.