

OPEN ENDED ITEM

11. Suzanne is building a rectangular patio with an area of 120 square feet. Her initial plans list a length of 12 feet and a width of 10 feet.

A. She's thinking of changing the width to 12 feet to make the patio square. How will this affect her area? Show your work.

B. It will cost her \$4.39 per square foot to build the patio. How much money would she save if she changed the length to 10 feet instead of changing the width to 12 feet to make her patio square? Show or explain your work.