

Shannon is building a rectangular garden that is 18 feet wide and 27 feet long.

**Part A**

Write an equation that represents the area of Shannon's garden. In your equation, let  $g$  represent the area of Shannon's garden. Then solve your equation.

Enter your equation and your solution in the space provided.

Exhibits



▼ Math symbols

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**Part B**

Shannon is putting a fence around the garden, except where there is a gate that is 3 feet wide.

One foot of the fence costs \$43. The cost of the gate is \$128.

Write an expression that represents the total cost of the fence and the gate.

Explain how you determined your expression.

Enter your expression and your explanation in the space provided.



▼ Math symbols

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### Part C

Use your expression from Part B to find the total cost, in dollars, of the fence and the gate.

Enter your answer in the space provided.



▼ Math symbols

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Exhibits

