Name

Quadratic Equation Word Problem To Optimization (y) - 3-Sided Rectangle

1

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 18m of fencing.

What is the maximum possible area of the parking lot?

A $A = 37.5m^2$

B $A = 40.5m^2$

C $A = 44.5m^2$

2

A rectangular garden is built along x meters of a wall using a total of 25m of fencing.

What is the maximum possible area of the garden?

A $A = 77.125m^2$

B $A = 78.125m^2$

3

A rectangular garden is built along x meters of a wall using a total of 24m of fencing.

What is the maximum possible area of the garden?

A $A = 68m^2$

B $A = 72m^2$

C $A = 69m^2$

4

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 26m of fencing.

What is the maximum possible area of the parking lot?

A $A = 84.5m^2$

B $A = 81.5m^2$

5

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 25m of fencing.

What is the maximum possible area of the parking lot?

A $A = 73.125m^2$

B $A = 78.125m^2$

6

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 22m of fencing.

What is the maximum possible area of the parking lot?

A $A = 60.5m^2$

B $A = 55.5m^2$

C $A = 64.5m^2$

7

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 16m of fencing.

What is the maximum possible area of the parking lot?

A $A = 33m^2$

B $A = 32m^2$

C $A = 34m^2$

8

A rectangular garden is built along x meters of a wall using a total of 17m of fencing.

What is the maximum possible area of the garden?

A $A = 36.125m^2$

B $A = 39.125m^2$

C $A = 37.125m^2$