



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

1

What value of x would maximize the area of the parking lot?

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

A	$x = 13.5m$	B	$x = 11m$
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C	$x = 10.5m$
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2

What value of x would maximize the area of the garden?

A rectangular garden is built along x meters of a wall using a total of 28m of fencing.

A	$x = 16.5m$	B	$x = 16.25m$
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C	$x = 14m$
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3

What value of x would maximize the area of the parking lot?

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 29m of fencing.

A	$x = 14.75m$	B	$x = 14.5m$
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C	$x = 12.5m$
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4

What value of x would maximize the area of the parking lot?

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

A	$x = 12.5m$	B	$x = 14.75m$
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C	$x = 11.5m$
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5

What value of x would maximize the area of the garden?

A rectangular garden is built along x meters of a wall using a total of 20m of fencing.

A	$x = 10m$	B	$x = 8.5m$
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C	$x = 11.5m$
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6

What value of x would maximize the area of the garden?

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

A	$x = 14.25m$	B	$x = 14.5m$
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C	$x = 12.5m$
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7

What value of x would maximize the area of the parking lot?

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

A	$x = 9.5m$	B	$x = 9m$
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C	$x = 11m$
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8

What value of x would maximize the area of the parking lot?

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 27m of fencing.

A	$x = 13.5m$	B	$x = 12.5m$
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C	$x = 11.75m$
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