



Quadratic Equation Word Problem To Expression - 3-Sided Rectangle

1

What equation gives the area of the parking lot?

A parking lot that is a rectangle shape is enclosed by x meters of a wall on one side and 16m of fencing on the other 3 sides.

A	$A(x) = x \cdot \left(\frac{16-x}{2}\right)$	B	$A(x) = x \cdot (16 + 2x)$
---	--	---	----------------------------

C	$A(x) = x \cdot (16 - 2x)$
---	----------------------------

2

What equation gives the area of the parking lot?

A parking lot that is a rectangle shape is enclosed by x meters of a wall on one side and 26m of fencing on the other 3 sides.

A	$A(x) = x \cdot (26 + 2x)$	B	$A(x) = x \cdot (26 - 2x)$
---	----------------------------	---	----------------------------

C	$A(x) = x \cdot \left(\frac{26-x}{2}\right)$
---	--

3

What equation gives the area of the garden?

A rectangular garden is built along x meters of a wall using a total of 15m of fencing for the other 3 sides.

A	$A(x) = x \cdot \left(\frac{15-x}{2}\right)$	B	$A(x) = x \cdot \left(\frac{15+x}{2}\right)$
---	--	---	--

C	$A(x) = x \cdot (15 + 2x)$
---	----------------------------

4

What equation gives the area of the parking lot?

A parking lot that is a rectangle shape is enclosed by x meters of a wall on one side and 20m of fencing on the other 3 sides.

A	$A(x) = x \cdot \left(\frac{20+x}{2}\right)$	B	$A(x) = x \cdot (20 + 2x)$
---	--	---	----------------------------

C	$A(x) = x \cdot \left(\frac{20-x}{2}\right)$
---	--

5

What equation gives the area of the garden?

A rectangular garden is built along x meters of a wall using a total of 24m of fencing for the other 3 sides.

A	$A(x) = x \cdot (24 - 2x)$	B	$A(x) = x \cdot \left(\frac{24-x}{2}\right)$
---	----------------------------	---	--

C	$A(x) = x \cdot (24 + 2x)$
---	----------------------------

6

What equation gives the area of the garden?

A rectangular garden is built along x meters of a wall using a total of 26m of fencing for the other 3 sides.

A	$A(x) = x \cdot \left(\frac{26-x}{2}\right)$	B	$A(x) = x \cdot (26 - 2x)$
---	--	---	----------------------------

C	$A(x) = x \cdot (26 + 2x)$
---	----------------------------

7

What equation gives the area of the garden?

A rectangular garden is built along x meters of a wall using a total of 23m of fencing for the other 3 sides.

A	$A(x) = x \cdot \left(\frac{23-x}{2}\right)$
---	--

B	$A(x) = x \cdot (23 + 2x)$
---	----------------------------

8

What equation gives the area of the parking lot?

A parking lot that is a rectangle shape is enclosed by x meters of a wall on one side and 22m of fencing on the other 3 sides.

A	$A(x) = x \cdot \left(\frac{22-x}{2}\right)$	B	$A(x) = x \cdot (22 + 2x)$
---	--	---	----------------------------

C	$A(x) = x \cdot (22 - 2x)$
---	----------------------------