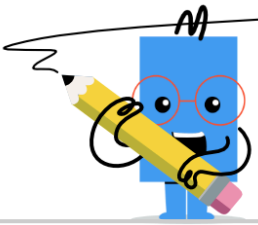
Name

# Quadratic Equation Word Problem To Expression (Standard Form) - 3-Sided Rectangle



**1**

A rectangular garden is built along x meters of a wall using a total of 26m of fencing.

What quadratic equation, in standard form, comes from calculating the area of the garden?

A $A(x) = 3.5x^2 + 13x - 5$

B $A(x) = -4.5x^2 + 9x$

C $A(x) = -0.5x^2 + 13x$

**2**

A rectangular garden is built along x meters of a wall using a total of 18m of fencing.

What quadratic equation, in standard form, comes from calculating the area of the garden?

A $A(x) = -0.5x^2 + 10x + 1$

B $A(x) = 4.5x^2 + 9x + 2$

C $A(x) = -0.5x^2 + 9x$

**3**

A rectangular garden is built along x meters of a wall using a total of 29m of fencing.

What quadratic equation, in standard form, comes from calculating the area of the garden?

A $A(x) = -2.5x^2 + 14.5x$

B $A(x) = 3.5x^2 + 19.5x$

C $A(x) = -0.5x^2 + 14.5x$

**4**

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 24m of fencing.

What quadratic equation, in standard form, comes from calculating the area of the parking lot?

A $A(x) = 4.5x^2 + 14x$

B $A(x) = -0.5x^2 + 12x + 5$

C $A(x) = -0.5x^2 + 12x$

**5**

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 23m of fencing.

What quadratic equation, in standard form, comes from calculating the area of the parking lot?

A $A(x) = -0.5x^2 + 13.5x$

B $A(x) = 3.5x^2 + 9.5x$

C $A(x) = -0.5x^2 + 11.5x$

**6**

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

What quadratic equation, in standard form, comes from calculating the area of the parking lot?

A $A(x) = -0.5x^2 + 14.5x$

B $A(x) = -0.5x^2 + 13.5x + 5$

C $A(x) = 1.5x^2 + 14.5x - 1$

**7**

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

What quadratic equation, in standard form, comes from calculating the area of the parking lot?

A $A(x) = -0.5x^2 + 12.5x$

B $A(x) = -0.5x^2 + 16.5x + 3$

C $A(x) = -5.5x^2 + 12.5x - 3$

**8**

A rectangular garden is built along x meters of a wall using a total of 15m of fencing.

What quadratic equation, in standard form, comes from calculating the area of the garden?

A $A(x) = -0.5x^2 + 7.5x$

B $A(x) = 3.5x^2 + 4.5x$

C $A(x) = -0.5x^2 + 6.5x + 2$