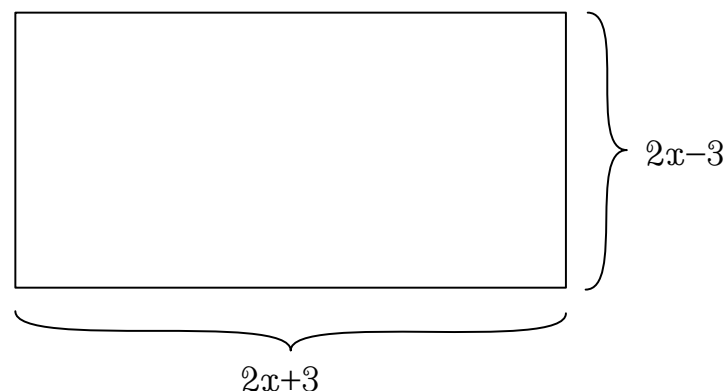


Find a polynomial expression that represents the area of the rectangle shown in the figure.



$\text{Area} = (2x-3)(2x+3)$	definition of area as the product of the sides
$= (2x)^2 - (3)^2$	difference of squares pattern applied
$= 2^2 x^2 - 9$	distribute the 2 in the exponent
$= 4x^2 - 9$	simplify