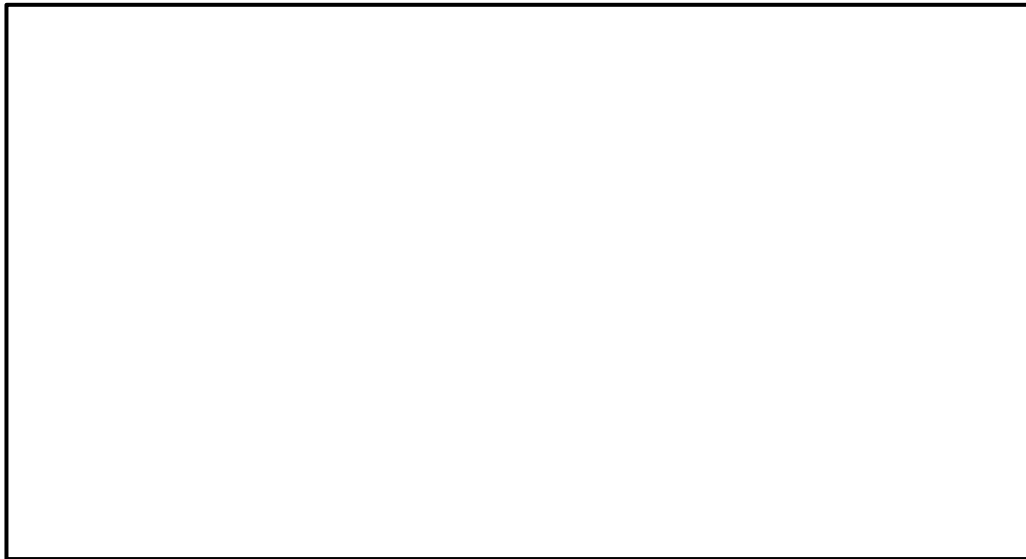


Use an area model to factor and solve the following Quadratic Equation:

$$9 = 2x^2 + 3x$$



ANSWER KEY

Use an area model to factor and solve the following Quadratic Equation: $9 = 2x^2 + 3x$

Convert the equation to standard form by making one side of the equation equal to zero:

$$9 = 2x^2 + 3x$$

$$2x^2 + 3x - 9 = 0$$

	x	+	3
$2x$	$2x^2$	$6x$	
-3	$-3x$	-9	

$$(2x - 3)(x + 3)$$

Solve for x by using the Zero Product Property

Solution Set: $3/2$ and -3