

Factoring $ax^2 + bx + c$

Geometric big idea: The area is given. Find the length and width.

Algebraic big idea: The product is given. Find the factors.

1. ()() =

x^2	$9x$
$4x$	36

2. ()() =

x^2	$8x$
$5x$	40

3. ()() =

x^2	$-8x$
$-3x$	24

4. ()() =

x^2	$-1x$
$-6x$	6

5. ()() =

x^2	$7x$
$-3x$	-21

6. ()() =

$2x^2$	$-x$
$-4x$	2

7. ()() =

$5x^2$	$-4x$
$35x$	-28

8. ()() =

$12x^2$	$24x$
$3x$	6

9. ()() =

$5x^2$	$4x$
$15x$	12

10. ()() =

$12x^2$	$4x$
$-15x$	-5