

Diagram illustrating the FOIL method for multiplying two binomials:

$$(x - 4)(x + 6) = x^2 + 6x - 4x - 24$$

The diagram shows the following connections:

- F** (First): x from the first binomial to x in x^2 .
- O** (Outer): x from the first binomial to 6 in $6x$.
- I** (Inner): -4 from the second binomial to $-4x$.
- L** (Last): -4 from the second binomial to -24 .

	x	6
x	F	O
-4	I	L