Algebra - Multiplying Polynomials

The key is to multiply each term in one expression by all the terms in the other expression. Just like multiplying multiple digit numbers!


Now combine like terms:
Solve by dividing each term.
$(8 x-6)(2 x+4-2)=$
$\left(4 x^{2}-4 x+2\right)(x-2)=$
$\left(5 x^{2}-6 x+4\right)(x+4)=$
$\left(a^{2}+2 a\right)\left(2 a^{2}-4 a\right)=$

