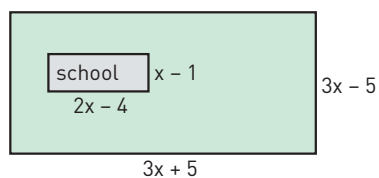


YOU & MATHS **School overview** The figure represents an overview of a school with a courtyard. Write and simplify an expression for the area of the courtyard.



$$[7x^2 + 6x - 29]$$

You need to subtract the area of the school from the area of the rectangle enclosing the courtyard:

$$(3x - 5)(3x + 5) - [(2x - 4)(x - 1)] = 9x^2 - 25 - (2x^2 - 4x - 2x + 4) = 7x^2 + 6x - 29.$$