

Dr Oliver Mathematics
Worked Examples
Expansion 1

From: AQA Further Mathematics Level 2 2019 Paper 2 Q17

1. Show that

$$(x + 1)(x + 3)(x + 4) - x(x^2 + 7x + 11)$$

(5)

can be written in the form

$$(x + a)(x + b),$$

where a and b are positive integers.