

EXPRESSIONS

Name: _____

Assessment Criteria: Square a linear expression, and expand and simplify the product of two linear expressions of the form $(x \pm n)$ and simplify the corresponding quadratic expression

1. Expand the following, writing your answer in its simplest form:

a) $(x + 2)(x + 4)$

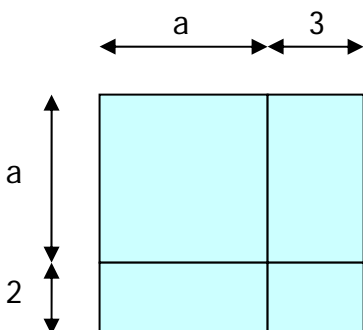
b) $(x - 1)(x + 6)$

c) $(x - 5)^2$

d) $(x + 3)(x - 3)$

e) $(x + a)^2$

2. Find an expression for the area of the whole blue rectangle:



Area = _____

3. Find an expression in the form $(x + a)(x + b)$ which when expanded has an x coefficient equivalent to the constant term

Overall, I think my success level is:

Low High

Q	EXPRESSIONS	😊	☹
	I can square a linear expression involving addition and/or subtraction		
	I can find the product of two linear expressions involving addition and/or subtraction		
	I can simplify the resulting quadratic expression		
	<i>I can convey mathematical meaning through precise and consistent use of symbols</i>		
	<i>I can solve increasingly demanding problems and evaluate solutions</i>		

I need to practise ...