STEP 1 : FORM ALGEBRAIC EXPRESSIONS

Describe in words :

$3x$ _____

$x + 5$ _____

$x - 6$ _____

$\frac{x}{7}$ _____

$2x+1$ _____

$\frac{4x}{3}$ _____

STEP 2 : DIRECTED NUMBER WITH ALGEBRA

Work out the value when $a = 2$ and $b = -3$.

$a + b$ _____

$a - b$ _____

ab _____

$3ab$ _____

$a \div b$ _____

$a^2 + b^2$ _____

$2a - 3b$ _____

STEP 3 : MULTIPLY A SINGLE BRACKET

$3(x + 5) =$

$3(x - 5) =$

$-3(x + 5) =$

$-5(2x - 1) =$

$6(3x - 2) =$

$5(2x + 1) =$

$x(2x - 1) =$

$\frac{1}{2}(4x + 6) =$

STEP 4 FACTORISE A SINGLE BRACKET

Complete :

$6x + 9y \equiv 3(\_\_\_\_ + \_\_\_\_)$

$xy + 7x \equiv x(\_\_\_\_ + \_\_\_\_)$

$12pq - 15qt \equiv \_\_(4p - 5t)$

$4x - 6y \equiv 2(\_\_\_\_ + \_\_\_\_)$