1: $4(x-5)$

$= 4 \times x - 4 \times 5$

$= 4x - 20$

$\therefore 4(x-5) = 4x - 20$

(2) LHS

$= x(3x+2)$

$= 3x^2 + 2x$

(3) $2x + 3y \neq 5xy$

as unlike terms cannot be added.

(4) LHS

$= x + 2x + 3x$

$= 6x \quad [\because 1+2+3 = 6]$

(5) LHS $= 5y + 2y + y - 7y$

$= 8y - 7y \quad [\because 5+2+1 = 8]$

$= y$

(6) LHS $= 3x + 2x$

$= 5x \quad [\because 3+2 = 5]$