Simplifying Algebra PPQ's (ANSWERS)

1) Simplify $5a + a + 3a$.

$+5a +1a +3a = 9a$ [1]

2) (a) Simplify $4c + 2c + 3c$.

$+4c +2c +3c = 9c$ [1]

(b) Simplify

(i) $5x + 3x + 4x$,

$12x$ [1]

(ii) $7a - a$.

$+7a -1a = 6a$ [2]

3) (a) Simplify **each** of the following expressions.

(i) $p + 4p + 3p$

$+1p +4p +3p = 8p$ [2]

(ii) $7x - 5y - 3x$

$+7x -3x -5y = 4x -5y$ [2]

4) Simplify $7p - 3q - 3p - 5q$.

$+7p -3q -3p -5q = 4p -8q$ [2]

5) Simplify $3r - 4t + 6r + 7t$.

$+3r -4t +6r +7t = 9r +3t$ [2]

6) Simplify $4t + 2a + t$.

$+6a -4t +2a +7t = 8a -3t$ [2]

7) Simplify $4c - 5d + 3c + 2d$.

$+4c -5d +3c +2d = 7c -3d$ [2]

8) Simplify $3x + 6y + x - 4y$.

$+3x +6y +x -4y = 4x +2y$ [2]

9) Simplify $5a + 6b + 2a - 4b$.

$+5a +6b +2a -4b = 7a +2b$ [2]

10) Simplify $3x + 5y - x + 2y$.

$+3x +5y -x +2y = 2x +7y$ [2]