Algebra and Expressions – Level 2

1. Simplify:-
    a) $a + a$ b) $a - a$ c) $a \times a$

2. Simplify:-
    a) $6x + 8x$ b) $a + a + a$ c) $p + 4p - 2p$
    d) $3a + 2a + 3b$ e) $3e^2 + 4e + e^2$ f) $8d + 7 - 3d - 4$

3. If $a = 2$, $b = 5$ and $c = 0$, find the value of :=
    a) $2a + 3b$ b) $10 - 2b$ c) $5b - 3a^2$ d) $4abc$

4. Simplify the following expressions then find their values
    when $x = 3$ and $y = 6$.
    a) $6x + 2y$ b) $3x + 2y - 2x$
    c) $8x^2 - y^2$