REVIEW SET 7A

1 Suppose a peach tree has p peaches, and 8 peaches are picked from the tree. Write an expression for the number of peaches that are still on the tree.

2 Which one of these algebraic expressions is written in correct product notation?

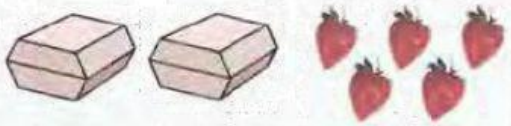
A $4ba$ **B** $a \times b \times 4$ **C** $ab4$ **D** $4 \times a \times b$ **E** $4ab$

3 **a** How many terms are in the expression $4x^3 + 6x^2 + 4x + 1$?

b State the coefficient of y in $2x^2 + 3xy - 7y$.

4 Suppose we have 2 punnets with strawberries in them, plus 5 strawberries left over.

Write an expression for the total number of strawberries if Mario has put in each punnet:



a 4 strawberries **b** 7 strawberries **c** s strawberries.

5 Find the like terms in the following:

a $2x^2 - 4x + 3 + 3x^2 - 6x$ **b** $5a - 3b + a - 2b + 1$

c $3c - c^2 + 3c + 2$ **d** $2e + ef - 4e + 2ef + 2f$

6 Simplify, if possible, by collecting like terms:

a $7x + 5x + 5$ **b** $2p + 1 + 3p - 3$

c $3x - 5y + 5x + 5y$ **d** $-7c + 5d^2 + cd + 4c$

7 Write in index form:

a $k \times k \times k$ **b** $5 \times m \times m \times n$ **c** $7 \times a \times a + a \times b \times b$

8 Evaluate:

a $4x + 3$ when $x = 6$ **b** $7(m - 5)$ when $m = 9$

9 Simplify:

a $5p \times 7$ **b** $2f \times 4f$ **c** $9s \times 4s^2$

10 If $a = -2$, $b = 5$, and $c = -3$, evaluate:

a abc **b** $5a - 7b$ **c** $3(2c - 3b)$

LIVEWORKSHEETS