

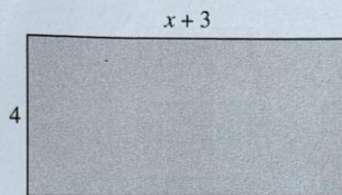
Answer Key Chapter 2

Student book

Exercise 2B

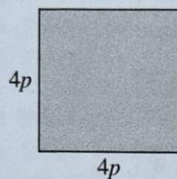
- 1 a $3x + 6$ b $8x - 24$ c $5x - 15$ d $24 - 18x$
 e $x^2 + 5x$ f $3x^2 + 12x$ g $6m^2 + 14m$ h $35p - 10p^2$
 i $5m^3 + 15cm^2$ j $10x^3 - 14x^2y$
- 2 a $2x^2 + 14x$ b $28x - 12y^2$ c $10x^2 + 25xy$ d $21xy + 42y^2$

3 a



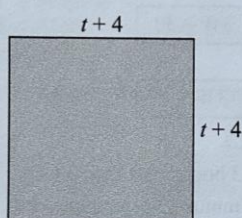
b $4x + 12$

4 a



b $16p^2$

5 a



b $t^2 + 8t + 16$

6 a $18x - 15y$ b $-10y$ c $13x^2 - 3x$ d $y + 3y^2$

7 a Sunil and Helga are correct. We usually write the letters in alphabetical order so Helga's is the more usual form.

b mp^2 is the same as p^2m , the order of multiplying does not matter

c Ricardo added the number parts instead of multiplying. Diego put the power of 2 with the m instead of the p in the second term.

8 a $12x + 20$ b $15x + 39y$

9 $-6x - 5 = 5 - 2(3x + 5)$; $6 + 15x = 5 - 3(4 - 5x) + 13$;
 $5(3x + 2) - 9x - 7 = 4(2x - 1) - (2x - 7)$ are both equal to $6x + 3$, so the odd one out is $6x - 11$

10 a $12xy + 4x^2 - 8px$

b $56xy^2 - 64ty^2 + 72y^3$

c $-m^3 + 8m^2 + 9m^2t - m^2y$

11 a 8 b 6 c 13 d 7; 91y

12 a $3y^2 - y$ b $3x + 3x^2 + 2x^3$ c $2x - 5x^2$ d $2y - 6y^2$

e $3y + y^2$ f $22 - 6c$ g $-5m$ h $19h - 4f$

13 a 2 and 56 b 5 and 3 c 4 and $24py$

14 $2x + 3$

15 a $2x - 10y$ b $4x - xy$ c $-12x - 2x^2$

Answer Key Chapter 2

Homework book

2B

1 a $4x + 12$

c $-6y + 15$

e $x^2 + 2x$

g $4h^2 + 3h$

i $6y^2 + 10y$

b $6x - 8$

d $16y + 56$

f $y^2 - 4y$

h $35x - 15x^2$

2 a $4x + 12$ b $10y - 5$ c $x^2 + 7x$

3 a $7x + 26$ b $7y - 2$ c $14x + 10$ d $18 - 10y$

e $-x + 6$ f $-5x - 17$ g $8 - 8y$ h $6y + 23$

i $2x^3 + 2x^2 + 2x$ j $-12y^2 + 2y$

4 a $3(x - \boxed{5}) = 3x - 15$

b $\boxed{6}(2x + 5) = 12x + 30$

5 $11x^2 - 23x$

6 a $20x + 20$

b $12x + 48y$