

ERRATA

IGCSE Cambridge International Mathematics (0607) Extended

2017 reprint

The following errata were made on 14/Jun/2022

Adobe Flash Player has reached End-of-Life. Demo icons that are no longer supported have been removed from:

Assumed Knowledge (Geometry and graphs), page 11
Chapter 29, page 597
Chapter 29, page 598

The following erratum was made on 3/Jan/2018

page 729 **ANSWERS EXERCISE 24D Question 4 a** should read:

4 a The boat must head 25.5° west of north. **b** 28.3 km/h

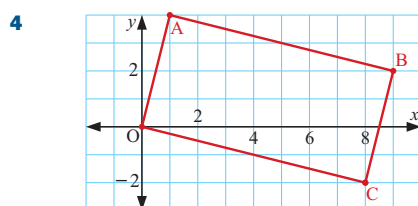
The following erratum was made on 28/Aug/2018

page 680 **ANSWERS EXERCISE 3D Question 3** should read:

1 7 **2** 37 and 38 **3** 20 **4** 13 **5** 50

The following errata were made on 12/Jul/2018

page 700 **ANSWERS EXERCISE 14F Question 4** should have correct diagram:



page 704 **ANSWERS EXERCISE 17C Question 6 b** should have correct units for weight:

6 a **i** 4 kg
ii 2.0 kg
c ≈ 4.25 kg

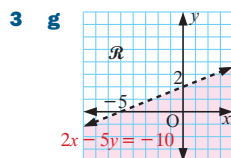
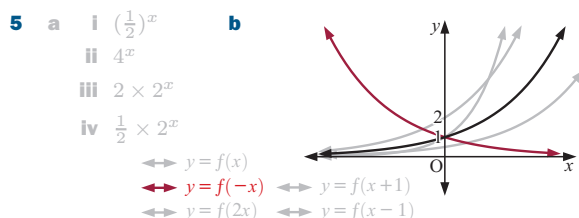
b

Weight (w kg)	Freq.	Cum. Freq.
$0 \leq w < 1$	1	1
$1 \leq w < 2$	2	3
$2 \leq w < 3$	5	8
$3 \leq w < 4$	12	20
$4 \leq w < 5$	8	28
$5 \leq w < 6$	6	34
$6 \leq w < 7$	3	37
$7 \leq w < 8$	2	39
$8 \leq w < 9$	1	40

5 a	UE point	CF (boys)	CF (girls)	Percentiles	
				B	G
	10	5	0	3.3	0.0
	20	13	4	8.7	3.3
	30	25	12	16.7	10.0
	40	35	22	23.3	18.3
	50	65	37	43.3	30.8
	60	115	62	76.7	51.7
	70	135	102	90.0	85
	80	145	112	96.7	93.3
	90	150	117	100.0	97.5
	100	150	120	100.0	100.0

- b For boys: median ≈ 52 , IQR ≈ 19
 For girls: median ≈ 59 , IQR ≈ 22

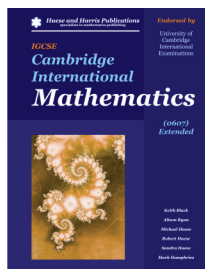
- 1 a $x \approx 6.644$ b $x \approx -1.884$ c no solution exists
 d $x \approx 1.292$ e $x \approx -1.611$ f $x \approx 4.192$
 g $x \approx -4.583$ h $x \approx -1.848$ i $x \approx 4.858$
 j $x \approx 2.064$ k $x \approx 2.991$ l $x \approx 291.825$
 m $x \approx 0.262$ n $x \approx 1.441$ o $x \approx 0.415$



5 d i $B(t) = \frac{20 \times 2^{0.799t}}{2^{0.799t} + 1}$ ii $B(2) \approx 15.03$ ✓

The following erratum was made on 10/Nov/2017

- If $a > 0$, $y = ax^2$ opens upwards i.e., 
 $y = ax^2$ is a vertical stretch of $y = x^2$ with invariant x -axis and scale factor a .
- If $a < 0$, $y = ax^2$ opens downwards i.e., 
 $y = ax^2$ is a vertical stretch of $y = -x^2$ with invariant x -axis and scale factor $|a|$.



ERRATA

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second 2015 reprint

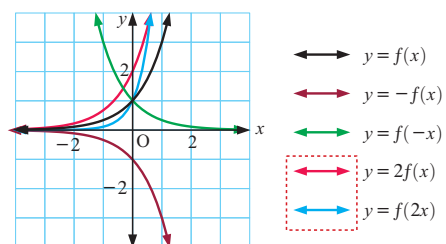
The following errata were made on or before 17/Feb/2016

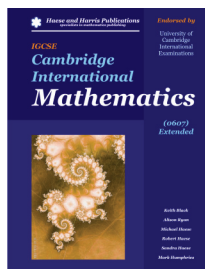
page 737 **ANSWERS EXERCISE 28B Question 4 c iii** and **iv** should have correct function colours:

4 a

x	-3	-2	-1	0	1	2	3
y	$\frac{1}{27}$	$\frac{1}{9}$	$\frac{1}{3}$	1	3	9	27

b, c





ERRATA

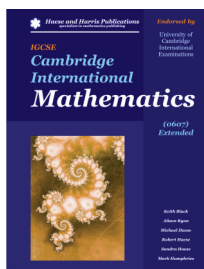
IGCSE Cambridge International Mathematics (0607) Extended

2012 reprint

The following erratum also applies to books printed in 2012 or earlier

page 745 ANSWERS REVIEW SET 31A Question **16 a** should read:

15 ≈ 2.4650 **16 a** $x \approx 0.7663$ **b** $x \approx 1.533$



ERRATA

IGCSE Cambridge International Mathematics (0607) Extended

2010 reprint

The following errata also apply to books printed in 2010 or earlier

page 113 **TEXT** heading in the middle of page should read:

SCATTER DIAGRAMS AND LINE GRAPHS

page 118 **EXERCISE 5B** question should read:

- 6 a** Construct a back-to-back stem-and-leaf plot for the data in the **Opening Problem** on page 111 .

page 173 **EXERCISE 8A.1** question should read:

- 2** Find the length of the third side of these triangles, giving your answers correct to 3 significant figures:

page 187 **REVIEW SET 8A** question should read:

- 1** Find the lengths of the unknown sides in the following triangles. Give your answers correct to 3 significant figures.

page 192 **TABLE** SI prefixes (correct spelling)

tera	T	1 000 000 000 000
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page 244 **EXERCISE 11B.2** question should read:

- 2** Find formulae for the volume V of the following objects:

page 258 **EXAMPLE 3** solution, line one before last

$$\therefore PQ^2 = 29$$

page 267 **EXERCISE 12D.2** question should read:

- 5 b** Find the gradients of the line segments AB and BC. What do these gradients indicate?

page 291 **EXAMPLE 7** question, last line of the table should be:

40 - 49	26
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page 294 **REVIEW SET 13A** question **3 c** should be:

- c** On how many days were there at least 20 call-outs?

page 297 **OPENING PROBLEM** graph, correct y -axis labelling:



page 335 **EXAMPLE 15** solution, third line should be:

$\therefore \widehat{ABT}$ is the required angle.

page 388 **EXERCISE 19B.2** question should read:

- 1** Which of the following sets of ordered pairs are functions? Give reasons for your answers.

a $\{(1, 1), (2, 2), (3, 3), (4, 4)\}$

b $\{(-1, 2), (-3, 2), (3, 2), (1, 2)\}$

c $\{(2, 5), (-1, 4), (-3, 7), (2, -3)\}$

d $\{(3, -2), (3, 0), (3, 2), (3, 4)\}$

e $\{(-7, 0), (-5, 0), (-3, 0), (-1, 0)\}$

f $\{(0, 5), (0, 1), (2, 1), (2, -5)\}$

E**GRAPHS OF QUADRATIC FUNCTIONS [3.2, 3.8]**

page 434 second block, 4th dot point should read:

- If $a > 0$, $y = ax^2$ opens upwards i.e., 
 $y = ax^2$ is a vertical stretch of $y = x^2$
 with invariant x -axis and scale factor a .
- If $a < 0$, $y = ax^2$ opens downwards i.e., 
 $y = ax^2$ is a vertical stretch of $y = -ax^2$
 with invariant x -axis and scale factor $|a|$.

page 461 **TEXT** second paragraph under the subsection **THE 'LEAST SQUARES' REGRESSION LINE** should be:

However, in brief, we find the vertical distances
 $d_1, d_2, d_3, \dots$ to the line of best fit.

page 463 **TEXT** first paragraph under the subsection **INTERPOLATION AND EXTRAPOLATION** should read:

Suppose we have gathered data to investigate the association between two variables. We obtain the scatter diagram shown below. The data points with the lowest and highest values of x are called the **poles**.

page 467 **REVIEW SET 22A** table in question 3 should be:

Spray concentration (x ml per litre)	0	2	4	5	8
Yield of strawberries per plant, (y)	8	10	21	20	35

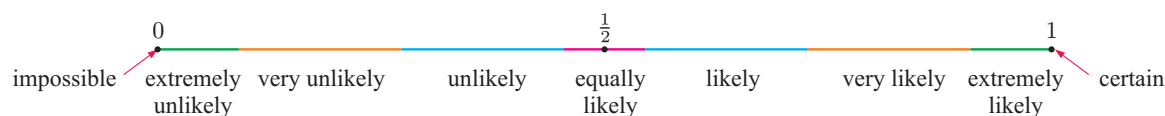
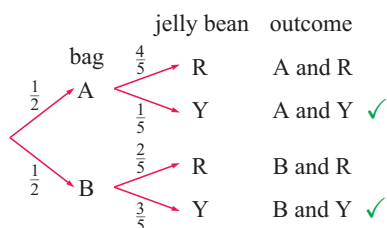
page 494 **TEXT** highlighted text under the subsection **ZERO VECTOR** should be:

For any vector $\mathbf{a}$:

$$\mathbf{a} + \mathbf{0} = \mathbf{0} + \mathbf{a} = \mathbf{a}.$$

$$\mathbf{a} + (-\mathbf{a}) = (-\mathbf{a}) + \mathbf{a} = \mathbf{0}.$$

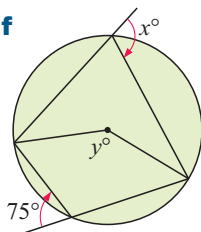
page 507 probability line should be:

page 523 **CHAPTER 25 EXAMPLE 14** solution tree should be:page 539 **TEXT** second paragraph on page should read:

In the same way, a **quadratic** sequence has general term $u_n = an^2 + bn + c$ and a **cubic** sequence has general term $u_n = an^3 + bn^2 + cn + d$.

page 558 **EXERCISE 27B.1** diagram should be:

2 f



page 599 **TEXT** second bullet point of the highlighted text box at the bottom of the page should read:

- b affects the **period** of the graph. It provides a stretch with invariant y -axis and scale factor $\frac{1}{b}$.

page 623 **REVIEW SET 30B** question should read:

- 7** The surface area of a sphere is directly proportional to the square of its radius. Find:

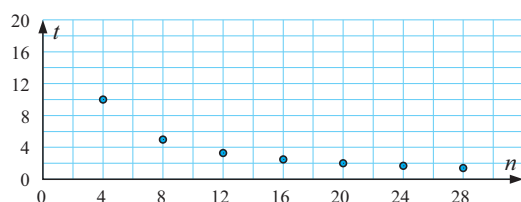
page 645 **EXERCISE 32C** question should be:

- 3 b** Find all points in $\mathcal{R}$ with integer coordinates, such that $2x + 3y = 24$.

page 687 **ANSWERS EXERCISE 7C**

- 6 b** units should be 'cm'

page 708 **ANSWERS CHAPTER 19E 2 b:**



page 711 **ANSWERS EXERCISE 20D** delete answers for question **4**

page 734 **ANSWERS REVIEW SET 25A 11 d:**

d $\frac{7}{20}$

page 735 **ANSWERS EXERCISE 26D 4 b:**

b $u_n = \frac{1}{2}n^2 - \frac{1}{2}n$ or $u_n = \frac{n(n-1)}{2}$

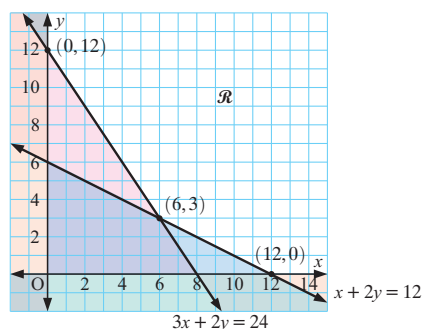
page 736 **ANSWERS EXERCISE 27A.1**

5 b $\widehat{APB} = a + b$

7 b • $OA = OB$ {equal radii}

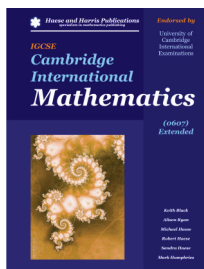
page 746 **ANSWERS EXERCISE 32C** diagram should be:

3 a



page 748 **ANSWERS CHAPTER 33** insert line at the top left column:

5 a $p = -7$, $q = 512$, $r = \frac{8}{9}$, $s = 81$, $t = 2187$, $u = -2106$



ERRATA

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2009 initial print run

The following errata also apply to books printed in 2009

page 481 **REVIEW SET 23A** question should read:

- 2 a** x -intercepts -1 , 0 and 2 , and passes through $(1, 6)$.

page 687 **ANSWERS EXERCISE 7E.3** missing answer:

- 4 o** $x = -5$, $y = -4$