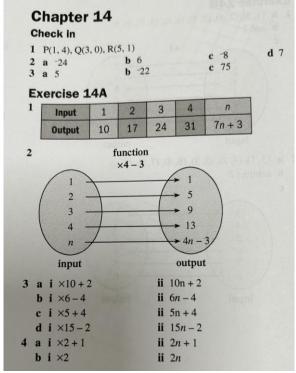
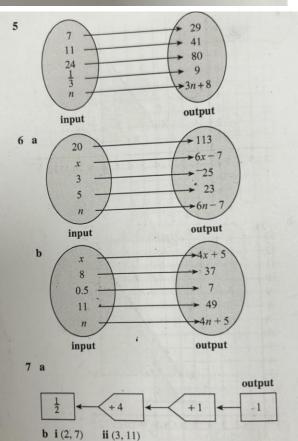
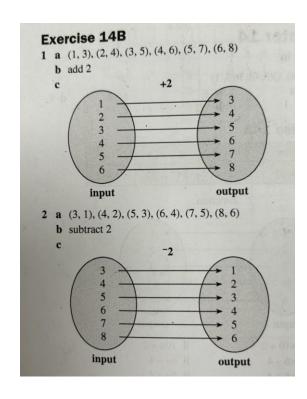


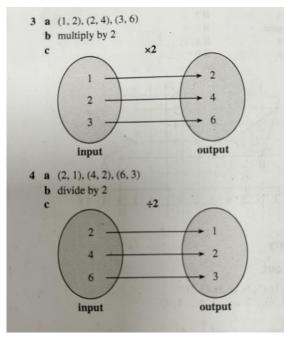
Answer Key Chapter 14

Student book























Exercise 14C

- 1 (1, 3), (2, 4), (3, 5), (4, 6), (5, 7)
- 2 (1,1), (2,3), (3,5), (4,7), (5,9)
- 3 a The coordinates are: (1, 1), (2, 4), (3, 7), (4, 10), (5, 13)
 - **b** The coordinates are: (1, 5), (2, 7), (3, 9), (4, 11), (5, 13)
 - c The coordinates are: (1, 1), (2, 2), (3, 3), (4, 4), (5, 5)
- **4 a** (1, 6), (2, 8), (3, 10), (4, 12), (5, 14), (6, 16)
- **5 a** (-2, -1), (-1, 1), (0, 3), (1, 5), (2, 7)
 - **b** (-2, -3), (-1, -1), (0, 1), (1, 3), (2, 5)
 - \mathbf{c} (-2, -7), (-1, -5), (0, -3), (1, -1), (2, 1) Lines are parallel.
- 6 a (-2, -2), (-1, 0), (0, 2), (1, 4), (2, 6)
 - **b** (-2, 0), (-1, 1), (0, 2), (1, 3), (2, 4)
 - c (-2, -4), (-1, -1), (0, 2), (1, 5), (2, 8)

Lines are at various levels of steepness but all lines pass through (0, 2)

Exercise 14D

- **1 b** (1, 2), (2, 4), (3, 6), (4, 8), (5, 10)
- **2 a** (1, 2), (2, 5), (3, 8), (4, 11), (5, 14); y = 3x 1
- **b** (1, 1.5), (2, 2.5), (3, 3.5), (4, 4.5), (5, 5.5); y = x + 0.5
 - c (1, -1), (2, 1), (3, 3), (4, 5), (5, 7); y = 2x 3
 - **d** (1, 4), (2, 6), (3, 8), (4, 10), (5, 12); y = 2x = 2
- 3 a multiply
- **b** subtract
- c multiply; 2; subtract
- d halve; add
 - e -1; add; subtract b +4
- 4 a ×3
- c -6
- d ×2, +4 g +2, ÷5
- f ÷4, +7 e ×3, -9
- h $\times 3, +2, \div 4$
- 5 In case you make a mistake calculating a point

a	x	-2	-1	0	1	2	3
	y	-1	1	3	5	7	9
a	x	-2	-1	0	1	2	3
	COURT A MARCHEST CO.	THE REAL PROPERTY.		THE REAL PROPERTY.	THE PROPERTY AND ADDRESS OF THE PARTY AND ADDR	THE RESERVE TO SHARE	SOSTABLISHES

250	y	2	3	4	5	0	
b	x	-2	-1	0	1	2	3
	y	-2	1	4	7	10	13

c	X	-2	-1	0	1	2	3
-	y	-8	-5	-2	1	4	7
d [X	-2	-1	0	1	2	3
	y	-9	-7	-5	-3	-1	1
e	X	-2	-1	0	1	2	3
	y	-16	-11	-6	-1	4	9
f	х	-2	-1	0	1	2	3
	у	1	1.5	2	2.5	3	3.5

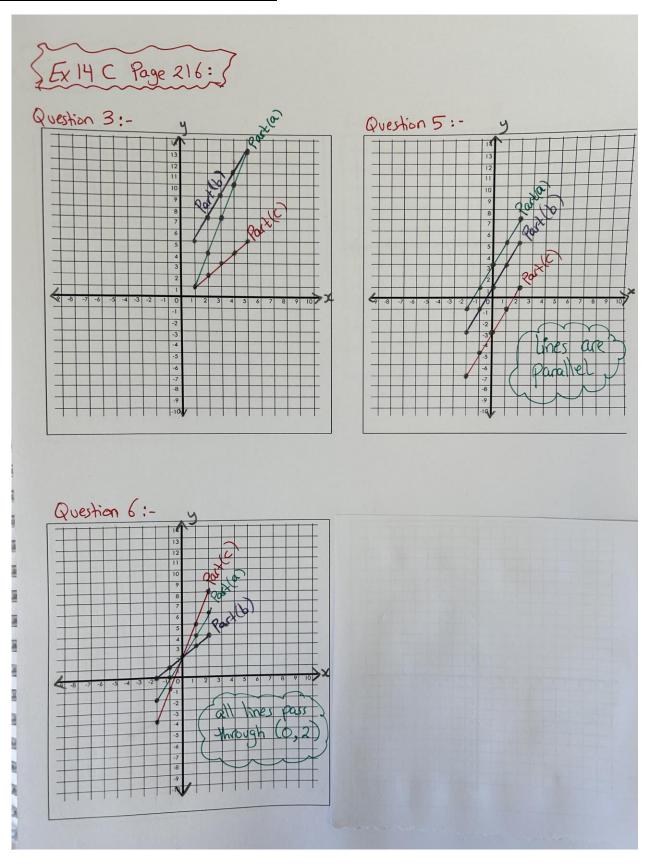
X	-5	-4	-3	-2	-1	0	1	2	3	4	5
y	-20	-15	-10	-5	0	5	10	15	20	25	30
b									KAR		
x	-5	-4	-3	-2	-1	0	1	2	3	4	5
y	-8	-5	-2	1	4	7	10	13	16	19	22
c	ANTE	0) (1)	Beat	I D	lottel	i est	il di	diiw	Ben	0	0
x	-5	-4	-3	-2	-1	0	1	2	3	4	5
y	-7	-5	-3	-1	1	3	5	7	9	11	13

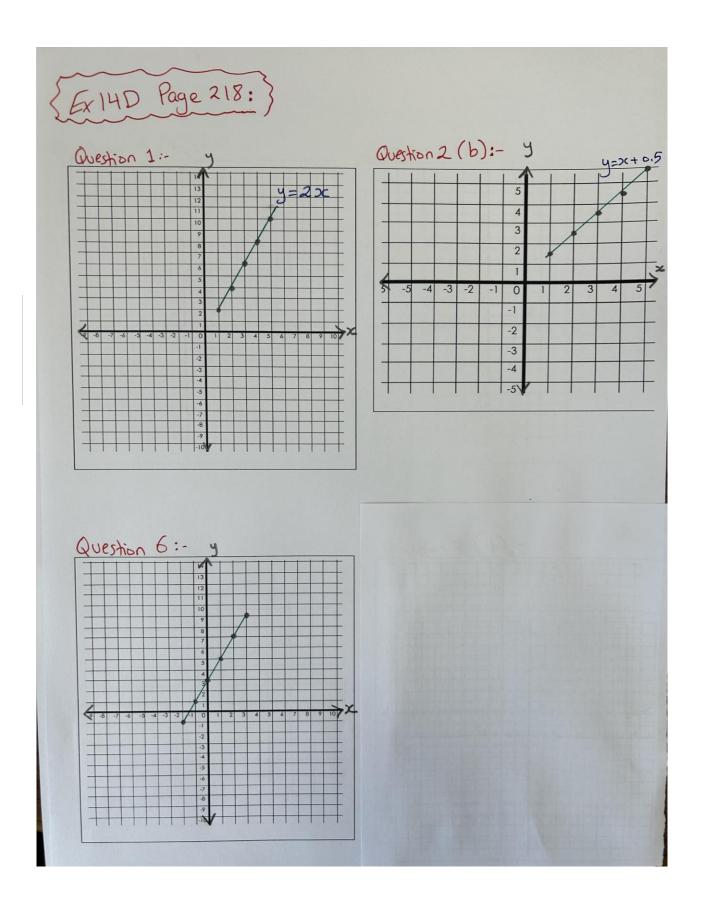
- c (-2, -13) d (-1, -3) 9 a (7,77) **b** (5, 57)
- 10 (3, 12)
- 11 all except (-1, 6)

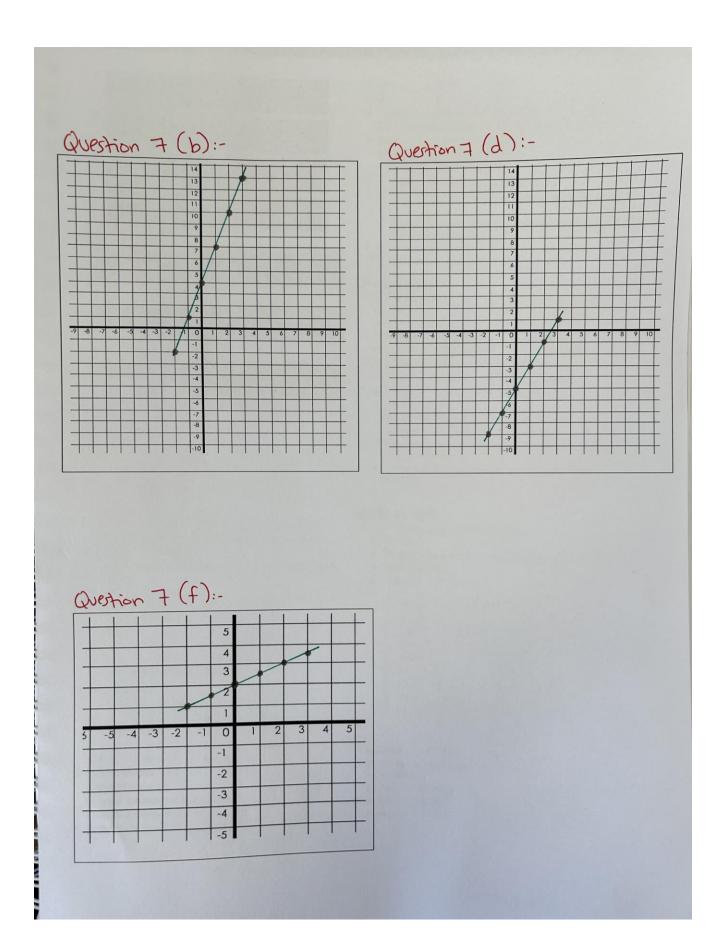
12 a

- $A \cdot (-4, 3)$ Line 1:
- B(0,3)
 - C(3,3)
- D (7, 3) F (-2,0)
- E (-2, -3) Line 2: G (-2, 2)
- H (-2, 6)
- **b** Line 1: y = 3, Line 2: x = -2
- 13 a A (-1, -1) B (1, 3) C (2, 5) D (-2, -3) E (3, 7)
 - **b** It is 1 more than twice the x-coordinate c y = 2x + 1
- **14 d** (0, 5), (0, 7), (0, 3)
 - e The y-coordinate is the number on its own (not next door to the x)
 - f y = 5x + 5
- 15 a i -2, -1, 0, 1, 2, 3 ii -4, -2, 0, 2, 4, 6
 - iii -6, -3, 0, 3, 6, 9
- iv -8, -4, 0, 4, 8, 12
- c y = 4x
- **d** i 2, 1, 0, -1, -2, -3
- ii 4, 2, 0, -2, -4, -6
- iii 6, 3, 0, -3, -6, -9
- iv 8, 4, 0, -4, -8, -12
- e Lines slope the opposite direction

Graphs that we drew in class:







Exercise 14E 1 She has m and c the wrong way round 2 a i 5 ii 8 b i -1 ii 2 c i 3 ii 0 d i -1 ii 7 e i 1 ii 6 f i -2 g i 1 ii 4 h i -3 3 A horizontal line y = 3A vertical line x = 7Diagonal upwards: y = 3x + 4, y = 2xDiagonal downwards: y = -3x, y = -x + 34 Straight lines y = 4x - 7; x = 7; y = 8 - x; y = -3

				E 7516	A SABI E	10/1/1/1/10	10000	3.5
E	xercise	14						
	a -3, -1		-1	h	y = 2x	1		
	c	MARIE CONTRACTOR	CO PROPERTY.		COLUMN TO SERVICE	-		
	X	-1	0	1	2			
	y	-3	-1	1	3			
	d (-1, 3	0: (0, -1)	: (1 1):	(2.3)				
2								
3	a i 0,2		ister		they no			
	-	0); (-1, :	2); (0, 4)); (1, 6)	; (2, 8)			
	a ii -1	1, -8, -5,	-2, 1					
	b i (-2	, -11); (-:	1, -8); (0	, -5); (1	1, -2); (2	2, 1)		
4		8 b	50, 30					
5								
6						To the last		
7	x	-2	-1	0	1	2	COSE S	
	y	-7	⁻ 5	-3	-1	1	nes à	
8	15, 26,	37, 48, 5	9					
9	a (-2, -	11/10/20 11/20/20 11/20); (1, 0); (2, 1)			
		5); (-1, -2						
	c (-2, 0); (-1, 2)	; (0, 4);	(1, 6);	(2, 8)			
	d (-2, 9); (-1, 7)	; (0, 5);	(1, 3);	(2, 1)			
1	0 a (6, 64	4) b	(3, 37)	c	(-4, -26) d	(-5, -35)	
1	1 a $y = 4$	x-3	b ;	y = 2 -	x			
	$\mathbf{c} \mathbf{y} = \frac{x}{2}$	+8	d	$y = \frac{x+3}{2}$	3			
1	2 (0, 8); (-	1, 10)						

Summary Check out

1 a i 2 ii 7 b i 1 ii -4 c i 8 ii 0 d i -1 ii 10
2 a Graph with points plotted (-2,-1), (-1,1), (0,3), (1,5), (2,7)

c Graph with points plotted (-2,6), (-1,5), (0,4), (1,3), (2,2)

Homework book

