Mark Scheme

Q1.

Paper 1MA1: 2F			
Question	**Working**	**Answer**	**Notes**
(a)		$6f$	B1
(b)		$16mn$	B1
(c)		$2t^2$	B1 cao

(Q04 1MA1/2F/S1, Specimen papers)

Q2.

Question	Answer	Mark	Mark scheme	Additional guidance
	$15tw$	B1	for $15tw$	May be seen in different order

(Q05 1MA1/1F, Nov 2022)

Q3.

Question	Answer	Mark	Mark scheme	Additional guidance
	2	B1	cao	

(Q05 1MA1/2F, June 2024)

Q4.

Question	Answer	Mark	Mark scheme	Additional guidance
	$3a$	B1	for $3a$	Allow $a3$

(Q04 1MA1/3F, June 2024)

Q5.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	$6xy$	B1	cao	
(b)	$5d - 3e$	M1	for $5d$ **or** $-3e$	An answer of $5d + -3e$ scores M1 A0
		A1	for $5d - 3e$	

(Q11 1MA1/2F, Nov 2024)

Q6.

Question	Answer	Mark	Mark scheme	Additional guidance
	$12a$	B1		

(Q03 1MA1/1F, Nov 2023)

Q7.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	$20h^3$	B1	cao	
(b)	$7y$	B1	cao	

(Q13 1MA1/3F, Nov 2023)

Q8.

Question	Answer	Mark	Mark scheme	Additional guidance
	$12t$	B1	for $12t$	

(Q04 1MA1/2F, June 2023)

Q9.

Question	Answer	Mark	Mark scheme	Additional guidance
	$4m$	B1		

(Q03 1MA1/3F, June 2023)

Q10.

Question	Answer	Mark	Mark scheme	Additional guidance
	$6m$	B1	for $6m$	

(Q04 1MA1/3F, June 2022)

Q11.

Question	Answer	Mark	Mark scheme	Additional guidance
	$4e$	B1	for $4e$ oe	e^4 gets no marks, where the 4 is clearly a power

(Q02 1MA1/1F, June 2022)

Q12.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	$4ab$	B1		
(b)	$3x + 8$	M1	for method to collect terms eg $3x$ or 8	May be seen in working. Accept if no ambiguity.
		A1	for $3x + 8$	

(Q06 1MA1/3F, Nov 2021)

Q13.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	$4m$	B1	cao	
(b)	$3p$	B1	cao	

(Q04 1MA1/2F, Nov 2021)

Q14.

Question	Answer	Mark	Mark scheme	Additional guidance
	$6e$	B1		

(Q03 1MA1/2F, Nov 2020)

Q15.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	1	B1	cao	
(b)	$\frac{8}{x-4}$	B1	cao	
(c)	$27n^{12}w^6$	B2	cao	
		(B1	for two of 27, n^{12}, w^6 in a product)	

(Q10 1MA1/2H, Nov 2020)

Q16.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	p^{10}	B1	cao	
(b)	$2x^4y^2$	M1	for any two of $12 \div 6\ (=2)$, $x^{7-3}\ (=x^4)$, $y^{3-1}\ (=y^2)$ in a product or written as a fraction with complete and correct cancelling of at least two terms	
		A1	cao	

(Q26 1MA1/1F, Nov 2019)

Q17.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	$10ab$	B1	cao	
(b)	$8x + y$	M1	for $8x$ or y	Accept $1y$ for 1 or 2 marks
		A1	for $8x + y$	

(Q13 1MA1/1F, Nov 2019)

Q18.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	p^{10}	B1	cao	
(b)	$2x^4y^2$	M1	for any two of $12 \div 6\ (=2)$, $x^{7-3}\ (=x^4)$, $y^{3-1}\ (=y^2)$ in a single product or written as a fraction with complete and correct cancelling of at least two terms	
		A1	cao	

(Q07 1MA1/1H, Nov 2019)

Q19.

Question	Answer	Mark	Mark scheme	Additional guidance
	$11e + 5f$	M1	for either $11e$ or $5f$	
		A1	for $11e + 5f$	

(Q09 1MA1/3F, June 2019)

Q20.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	$4m$	B1	cao	
(b)	$8np$	B1	cao	

(Q07 1MA1/2F, Nov 2018)

Q21.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	m^7	B1	cao	
(b)	$125n^3p^9$	B2	cao	Allow multiplication signs
		B1	for 2 of 3 terms correct in a single product)	$125n^3p^x$ or $125n^xp^9$ where $x \neq 0$ or an^3p^9 where a is a number
(c)	$8q^6r^3$	B2	cao	Allow multiplication signs
		B1	for 2 of 3 terms correct in a single product)	$8q^6r^x$ or $8q^xr^3$ where $x \neq 0$ or aq^6r^3 where a is a number

(Q20 1MA1/2F, June 2018)

Q22.

Question	Answer	Mark	Mark scheme	Additional guidance
(a)	$12t$	B1	$12t$	Accept $t12$ but **not** $12 \times t$ or $t \times 12$
(b)	$7a$	B1	$7a$	Accept $a7$ or $7 \times a$ or $a \times 7$ Partial simplification of $5a + 2a$ or $8a - a$ does NOT get the mark

(Q06 1MA1/1F, June 2018)

Q23.

Paper 1MA1: 3F			
Question	Working	Answer	Notes
(a)		$7x$	B1
(b)		$8y^2$	B1

(Q02 1MA1/3F/N, Specimen papers)

Q24.

Question		Working	Answer	Mark	Notes
			$12m^5r^7$	2	M1 2 of 3 parts correct in a product A1 cao

(Q10 1MA1/3H/M1, Specimen papers)

Q25.

Question	Working	Answer	Mark	Notes
(a)		$3p$	B1	cao
(b)		$2m^3$	B1	cao
(c)		$10 - 4c + 6d$	M1	for $-4c$ or $6d$ (accept $+-4c$)
			A1	for $10 - 4c + 6d$

(Q01 1MA1/2F, June 2017)

Q26.

Question	Working	Answer	Mark	Notes
(a)		$15fg$	B1	cao
(b)		t^2	B1	cao
(c)		$4n$	B1	cao

(Q03 1MA1/2F, Nov 2017)

Q27.

Question	Working	Answer	Mark	Notes
		$2y$	B1	for $2y$

(Q02 1MA1/3F, Nov 2017)