

1	(f)	$e - g = 7t$ or $\frac{e}{7} = t + \frac{g}{7}$ oe		2	M1
			$t = \frac{e-g}{7}$		A1 oe e.g. $(e-g) \div 7$
2	b	$c + h = 5y$ or $\frac{c}{5} = y - \frac{h}{5}$ or $\frac{c+h}{5}$		2	M1
			$y = \frac{c+h}{5}$		A1 oe if the student puts $\frac{c+h}{5}$ on the answer line then if we have previously seen $y = \frac{c+h}{5}$ we can award full marks
3	a	e.g. $d - g = 2ac$ $\frac{d}{2c} = \frac{g}{2c} + a$			M1 for a correct first step e.g. subtract g from both sides OR divide all terms by 2 OR divide all terms by c OR divide all terms by $2c$
			$a = \frac{d-g}{2c}$	2	A1 oe
4	(c)	$f + d = 3p$ or $\frac{f}{3} = p - \frac{d}{3}$		2	M1 A correct first stage in a correct formula
			$p = \frac{f+d}{3}$		A1 for $p = \frac{f+d}{3}$ (must see $p = \dots$ at some stage) (SCB1 for $p = \frac{f-d}{3}$)
5	(b)	$p + d = at$ or $-at = -d - p$ or $\frac{p}{a} = \frac{at}{a} - \frac{d}{a}$ oe		2	M1 Correct first stage in rearrangement
		<i>Working not required, so correct answer scores full marks</i>	$t = \frac{p+d}{a}$		A1 oe eg $t = \frac{p}{a} + \frac{d}{a}$ or $t = \frac{-p-d}{-a}$ Must have “=” either in working or on answer line
6	a	e.g. $A + 5z = \frac{c}{y}$ oe or $Ay = c - 5yz$ oe		2	M1 for a correct first step e.g. add $5z$ to both sides or multiply all terms by y
			$c = y(A + 5z)$		A1 oe
7	(c)	$y + e = dx$ oe or $\frac{y}{x} = d - \frac{e}{x}$		2	M1 for a correct first step
			$d = \frac{y+e}{x}$		A1 oe e.g. $d = \frac{y}{x} + \frac{e}{x}$
8	(d)	$k - t = 2g$ or $\frac{k}{2} = g + \frac{t}{2}$ or $\frac{k-t}{2}$		2	M1 for isolating terms in g or for correctly dividing by 2.
			$g = \frac{k-t}{2}$		A1 oe e.g. $g = \frac{k}{2} - \frac{t}{2}$
9	(d)	$c + 8v = t^3$		2	M1
			$t = \sqrt[3]{c+8v}$		A1 oe SCB1 for an answer of $t = \frac{c+8v}{3}$ oe
10	(c)	eg $h - 4 = \frac{m}{2}$ or $2h = m + 8$		2	M1 for a correct first step
		<i>Correct answer scores full marks (unless from obvious incorrect working)</i>	$m = 2(h - 4)$		A1 oe eg $m = 2h - 8$ SC award M1 for $m = 2h - 4$ or $m = h - 8$

11 (b)	$d - 10 = 3x$ oe or $-3x = -d + 10$ or $\frac{d}{3} = x + \frac{10}{3}$ oe or $\frac{d-10}{3}$ oe		2	M1
	<i>Correct answer scores full marks (unless from obvious incorrect working)</i>	$x = \frac{d-10}{3}$		A1 accept $x = \frac{d}{3} - \frac{10}{3}$ oe or $x = \frac{-d+10}{-3}$ oe (must see $x = \dots$ on answer line or in working)