

CHECKPOINT 1				CHECKPOINT 2				CHECKPOINT 3			
1	$-40a^2de$	$30bcde$	$25cd^2e$	1	$-63a^2de$	$56bcde$	$42cd^2e$	1	$-6a^2de$	$10bcde$	$8cd^2e$
	$72a^3f$	$-54abcf$	$-45cdfa$		$72a^3f$	$-64abcf$	$-48cdfa$		$21a^3f$	$-35abcf$	$-28cdfa$
	$-56a^3d$	$42abcd$	$35acd^2$		$-54a^3d$	$48b^2cd$	$35bcd^2$		$-27a^3d$	$45abcd$	$36acd^2$
2	$7a^3/b^3cd$			2	$7a^2/b^2cd$			2	$7t^4a$		
3	0.00455			3	0.00655			3	0.00755		
4	12 400 000 000		40	4	7 200 000 000		5000	4	130 000 000		0.002
5	£363			5	£532.40			5	£308.70		
6	$a = 3$			6	$a = 2$			6	$a = 5$		
7	144			7	90			7	72		
8	mid = (2, 8)		grad = 3	8	mid = (2, 8)		grad = 3	8	mid = (2, 12)		grad = 5
9	$x = 9$		$y = 5$	9	$x = 1$		$y = 3$	9	$x = 5$		$y = 6$
10	$2\sqrt{34}$ or $\sqrt{136}$		$4\sqrt{2}$ or $\sqrt{32}$	10	$\sqrt{193}$		$\sqrt{95}$	10	$\sqrt{233}$		$\sqrt{56}$ or $2\sqrt{14}$
11	$26/56 = 13/28$			11	$1/90 = 21/45 = 7/15$			11	$54/110 = 27/55$		
12	$(2a - 1)(a + 2)$		$(2a - 3)(2a + 3)$	12	$(2a - 1)(2a + 2)$		$(3a - 4)(3a + 4)$	12	$(3a - 1)(a + 5)$		$(3a - 2)(3a + 2)$

CHECKPOINT 4				CHECKPOINT 5				CHECKPOINT 6			
1	$-36a^2de$	$27bcde$	$45cd^2e$	1	$-21a^2de$	$42bcde$	$56cd^2e$	1	$-54a^2de$	$48bcde$	$24cd^2e$
	$32a^3f$	$-24abcf$	$-40cdfa$		$27a^3f$	$-54abcf$	$-72cdfa$		$72a^3f$	$-64abcf$	$-32cdfa$
	$-24a^3d$	$18abcd$	$30acd^2$		$-15a^3d$	$30abcd$	$40acd^2$		$-63a^3d$	$56abcd$	$28acd^2$
2	$9t^3a^2$			2	$7t^3a$			2	$8t^4a^3$		
3	0.00875			3	0.00435			3	0.00315		
4	1 700 000 000		0.00003	4	520 000 000		35 000	4	860 000 000		0.00021
5	£352.80			5	£581.90			5	£705.60		
6	$a = 7$			6	$a = 7$			6	$a = 7$		
7	60			7	45			7	80		
8	mid = (0.5, 4.5)		grad = 3	8	mid = (-2, -6)		grad = 4	8	mid = (3.5, 6)		grad = 2
9	$x = 7$		$y = 2$	9	$x = 7$		$y = 2$	9	$x = 8$		$y = 3$
10	$\sqrt{85}$		$2\sqrt{33}$ or $\sqrt{132}$	10	$2\sqrt{6}$ or $\sqrt{24}$		$\sqrt{69}$	10	$2\sqrt{5}$ or $\sqrt{20}$		$6\sqrt{2}$ or $\sqrt{72}$
11	$76/156 = 19/39$			11	$54/110 = 27/55$			11	$98/210 = 7/15$		
12	$(3a + 1)(a - 7)$		$(5a - 3)(5a + 3)$	12	$(5a - 2)(a + 3)$		$(4a - 7)(4a + 7)$	12	$(3a + 2)(a - 4)$		$(7a - 1)(7a + 1)$

