

CHECKPOINT 1

1	0.5	$\sqrt{2}/2$	$\sqrt{3}/2$
	$\sqrt{3}/2$	$\sqrt{2}/2$	0.5
	$\sqrt{3}/3$	1	$\sqrt{3}$
2	$(3\sqrt{5} - 3)4$		
3	6.5	5.5	
4	24000000000.4		
5	0.7569		
6	$5\pi/4 + 18$		
7	$x = \frac{5}{4} + \frac{1}{4}\sqrt{105}$ or $x = \frac{5}{4} + \frac{-1}{4}\sqrt{105}$		
8	$y=3x - 1$	$6\sqrt{10}$	$3x + x - 47 = 0$
9	"-5/3"	0.5	"4/3 or -4/3"
10	$(49\sqrt{3})/2$		
11	0.3	30	23
12	$120+120+108 = 328$		

CHECKPOINT 2

1	1	$\sqrt{3}$	$\sqrt{3}/3$
	$\sqrt{2}/2$	0.5	$\sqrt{3}/2$
	$\sqrt{2}/2$	$\sqrt{3}/2$	0.5
2	"-1- $\sqrt{3}$ "		
3	1304.585	1294.575	
4	9.025×10^5		
5	$8\pi/3 + 16$		
6	"3/2"	-2	
7	$y=3x-2$	$\sqrt{29}$	$3y + x - 54 = 0$
8	"-2/3 or -1/2"		
9	"9/5 or -9/5"		
10	$6\sqrt{3}$		
11	0.9	15	19
12	$20+135+135=390$		

CHECKPOINT 3				CHECKPOINT 4			
1	$\sqrt{2}/2$	0.5	$\sqrt{3}/2$	1	$\sqrt{3}$	$\sqrt{3}/3$	1
	$\sqrt{2}/2$	$\sqrt{3}/2$	0.5		0.5	$\sqrt{3}/2$	$\sqrt{2}/2$
	1	$\sqrt{3}$	$\sqrt{3}/3$		$\sqrt{3}/2$	0.5	$\sqrt{2}/2$
2		$\frac{3 + \sqrt{5}}{7}$		2		$\frac{6 + 3\sqrt{2}}{2}$	
3	3865	3875		3	220.5	119.5	
4	4.5075×10^6			4	2.406×10^{13}		
5	0.6724			5	0.5929		
6	$7\pi/4 + 14$			6	$11\pi/12 + 22$		
7	(-3, 4)	(4, -3)		7	(3,1)	(8,26)	
8	$y = 5x + 6$	$6\sqrt{26}$	$5y - x = 198$	8	$y = 3x - 14$	$10\sqrt{10}$	$y = -x/3 + 26$
9	1.5 and -2.5		$8/7$ and $-8/7$	9	$-3/7$ and -0.5	$9/4$ and $-9/4$	
10	16			10		$\frac{81\sqrt{3}}{2}$	
11	0.8	15	29	11	1.2	35	17
12	$90 + 120 + 120 = 330$			12	$90 + 108 + 120 = 318$		

CHECKPOINT 5				CHECKPOINT 6			
1	$\sqrt{2}/2$	0.5	$\sqrt{3}/2$	1	$\sqrt{3}$	$\sqrt{3}/3$	1
	1	$\sqrt{3}/3$	$\sqrt{3}$		$\sqrt{3}/2$	0.5	$\sqrt{2}/2$
	$\sqrt{2}/2$	$\sqrt{3}/2$	0.5		0.5	$\sqrt{3}/2$	$\sqrt{2}/2$
2		$\frac{1 + \sqrt{5}}{-2}$		2		$\frac{6 + 3\sqrt{x}}{4 - x}$	
3	25.5	24.5		3	1003.85		998.25
4	1.78×10^6			4	1.66×10^4		
5	0.7396			5	0.5041		
6	$3\pi + 18$			6	$2.4\pi + 12$		
7	(1,4)			7	(2, 13)	(0.5, 5.5)	
8	$y = 2.4x + 0.8$	13	$24y + 10x = 271$	8	$y = 6x + 5$	$12\sqrt{37}$	$6y + x = 326$
9	-2 and -5/6		$7/4$ and $-7/4$	9	-1/3 and 4.5		$a = 8/7$ and $-8/7$
10	4			10		$\frac{9\sqrt{3}}{8}$	
11	50	6.4	21	11	1.2	17	22
12	$90 + 108 + 108 = 306$			12	135 is not a factor of 360		