Angle Pairs – Paper 2 – Mark Scheme

Question 1

9	22.5 oe		3	**B2** $180 = 5x + 2x + x$ oe or better **B1** for $2x$ or $6x$ marked in the correct place on the diagram.

Question 2

4	105		2	**M1** for $180 - 55 - 50$ or **B1** for 55 or 75 seen in the correct angle inside the triangle

Question 3

3	125		2	**B1** for 55 or 125 in any other correct position on diagram or **M1** for $180-55$

Question 4

18	(a)	47		1	
	(b)	117		2	**M1** for $360 - (115 + 85 + 97)$
	(c)	244		2	**B1** for 116 seen at centre or 122 seen at circumference

Question 5

9	$[a =] 70$ $[b =] 40$	2	**B1** for each

Question 6

2	25		2	**B1** for 67 or 113 seen once in correct position or **M1** for $a + 42 = 67$ or $a + 42 + 113 = 180$ or better

Question 7

5	94		2	**B1** for ACB or PAB or $ABC = 43$ or **M1** for $180 - 2 \times 43$ or $\frac{1}{2}x = 90 - 43$