<u>Angles Past Paper Answers Edexcel – None Calculator</u>

1.

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Question	Working	Answer	Mark	Notes			
7	working	80	4	B1 for EBF = 50 or ABE = 50 M1 for angles given that can lead to x = 80 as the next step eg EBF = 50 and ABE = 50 eg EBF = 50 and BFG = 100 eg EBF = 50 and BFE = 80 eg EBF = 50 and DEB = 130 and ABE = 50 A1 cao C1 for stating correct reasons appropriate to their method shown eg Base angles of an isosceles triangle are equal. with Angles in a triangle add up to 180° with Alternate angles are equal with Angles of an isosceles triangle are equal. with Alternate angles are equal with Angles on a straight line add up to 180° eg Base angles of an isosceles triangle are equal. with Angles on a straight line add up to 180° eg Base angles of an isosceles triangle are equal. with Angles on a straight line add up to 180° eg Base angles of an isosceles triangle are equal. with The exterior angle of a triangle is equal to the sum of the opposite interior angles. with Allied angles / Co-interior angles add up to 180°			

2.

	88	4	M1 for (APT =) 180 - (32 + 90) (=58) M1 for (PTR =) "58" M1 for 360 - ("58" + 124 + 90) A1 cao OR (line XY drawn through Q parallel to AB) M1 for (QRD =) 180 - 124 (=56) M1 for (XQR =) "56" M1 for (PQX =) 32 A1 cao	
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3.

4.

uestion	Working	Answer	Mark	Notes
	$BFD = 42^{\circ}$	68	3	M1 for $EDC = 42$ or $DHF = 180 - 110$
	HFB = 110°			M1 for 180-42-70
				A1 cao
	110-42			or
				M1 for $BFD = 42^{\circ}$ or $HFB = 110^{\circ}$
				M1 for 110-42
				A1 cao
				or
				M1 for $AFH = 180 - 110 = 70$
				M1 for $180 - 70 - 42 = 68$
				A1 cao

5.

uestion	Working	Answer	Mark	Notes	Type
	$(180 - 120) \div 2 = 30$	75°	4	M1 for method to find angle ADB	E
	$(180 - 30) \div 2$			(or angle ABD) $(180 - 120) \div 2$	
				A1 for 75	
				C1 (dep on M1) for	
				Alternate angles are equal or co-interior	
				(allied) <u>angles</u> add up to <u>180</u> °	
				C1 (dep on M1) for	
				Base angles of an isosceles triangle are	
				equal and	
				Angles in a triangle add up to 180°	