Types of Triangle

Question	Answer	Mark	Mark scheme	Additional guidance
7 (a)	Trapezium	B1	cao	
(b)	Drawn	B1	for a right-angled triangle drawn	Allow 88 – 92° for the right angle

Question		Answer	Mark	Mark scheme	Additional guidance
7	(a)	9.3	B1	accept answer in the range 9.1 to 9.5	
	(b)	106	B1	accept answer in the range 104 to 108	
	(c)	isosceles	B1	for isosceles	Condone incorrect spelling provided intention is clear

Question	Answer	Mark	Mark scheme	Additional guidance
13	Shown	M1	for a method leading to the evaluation of another angle, (*BAC* =) 360 – 310 (= 50) **or** (*ACB* =) 180 – 115 (= 65)	Angles may be seen on diagram
		M1	for a method to find at least 2 angles, eg (*BAC* =) 360 – 310 (= 50) **and** (*ACB* =) 180 – 115 (= 65)	
		C2	(dep M2) *CBA* = 65° **and** statement **and** appropriate angle reasons, eg statement *ACB* = *CBA* (= 65°) **or** two angles are equal (so it is isosceles) **and** angles at a point add up to 360, angles on a straight line add up to 180, angles in a triangle add up to 180, **OR** (dep M2) *CBA* = 65° **and** statement **and** appropriate angle reasons, eg statement *ACB* = *CBA* (= 65°) **or** two angles are equal (so it is isosceles) **and** the exterior angle of a triangle is equal to the sum of the interior opposite angles **and** angles on a straight line add up to 180 **or** angles in a triangle add up to 180	Underlined words need to be shown; reasons need to be linked to their method.
		(C1	(dep on M1) for any one appropriate reason related to method shown)	

Question	Answer	Mark	Mark scheme	Additional guidance
16	Triangle drawn	B2 (B1	for an isosceles triangle drawn with the product of the base and perpendicular height being 24, eg. 6 × 4 or 4 × 6 or 8 × 3 or 3 × 8 for any isosceles triangle drawn or for any triangle with 24 as the product of the base and the perpendicular height)	Accept triangle drawn in any orientation or drawn freehand.

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23	144	P1	for using the ratio, eg $x = 2y$ **or** $2y + 2y + y$ (= 180) **or** 2 + 2 + 1 (= 5 (parts))	The first two marks may be awarded in either order
		P1	for using angle facts to give an equation, eg $x + x + y = 180$ **or** $2y + 2y + y = 180$ **or** $y + w = 180$ **or** $5x \div 2 = 180$ oe **or** $w = 2x$ **or** for $180 \div 5$ (= 36)	Award P2 for $x = 72$ or $y = 36$
		P1	for a complete process eg $180 - (180 \div 5)$	
		A1	cao	