CONGRUENT TRIANGLES

Pearson Edexcel - Tuesday 19 May 2020 - Paper 1 (Non-Calculator) Foundation Tier

1.

23	A & D	B1	cao	

Pearson Edexcel - Monday 12 November 2018 - Paper 3 (Calculator) Foundation Tier

2.

9	(a)	Trapezium	B1	cao	
	(b)	C and D	B1	cao	Accept in either order.

OCR Tuesday 12 June 2018– Morning (Calculator) Foundation Tier

3.

21			angle *BCA* = 44° and angles [in a] triangle [= 180°] or angle *DCA* = 56° and angles [in a] triangle [= 180°]	1		*C* = 44 (or 56) is not sufficient. Accept angles shown on diagram. 0 if alternate angles is given as the reason unless the parallelogram has been justified
			Best two statements from: (i) [side] *AC* is common (ii) [angle] *ACB* = [angle] *CAD* (iii) [angle] *BAC* = [angle] *ACD* (iv) angle *B* = angle *D* or [angle] *ABC* = [angle] *CDA*	2	B1 for each to a max of 2	Notation needed for these marks. 44 = 44 is not sufficient. 56 = 56 is not sufficient "angle" required if using just *B* or *D*
			Conclusion and third statement [congruent because] ASA after stating (i), (ii), (iii) AAS after stating (i), (ii), (iv) or (i), (iii), (iv)	1		Final mark needs a third statement (ignore superfluous ones) and the appropriate congruence conclusion.
					If 0 or 1 scored then, to a maximum total of 2 marks, allow: **SC1** for angle *BCA* = 44° and angle *DCA* = 56° stated or on diagram and **SC1** for a correct statement lacking precision eg "both triangles have a common side", "both triangles have an angle of 80", "all the angles are the same°	Possible marks (without SC): 1 + 2 + 1, 1 + 2 + 0, 1 + 1 + 0, 0 + 2 + 1, 0 + 2 + 0, 0 + 1 + 0, 0 + 0 + 0.

4.

25	AAA	B1	