	Geometry Problems Parallel Lines Mark Scheme	
1(a)	Opposite angles are equal	[1] Reason
	$x = 105°$	[1] Calculation
1(b)	Corresponding angles are equal	[1] Reason
	$x = y = 105°$	[1] Calculation
2(a)	Co-interior a angles add up to 180°	[1] Reason
	$x = 180 - 100 = 80°$	[1] Calculation
2(b)	Angles on a straight line add up to 180°	[1] Reason
	$y = 180 - 80° = 100°$	[1] Calculation
3	Alternate angles are equal	[1] Reason
	Angles on a straight line add up to 180°	[1] Reason
	$x = 180° - 105° = 75°$	[1] Calculation
4	Corresponding angles are equal	[1] Reason
	Angles on a straight line add up to 180°	[1] Reason
	$y = 180 - 78 = 102°$	[1] Calculation
5	Corresponding angles are equal	[1] Reason
	Base angles of an isosceles triangle are equal.	[1] Reason
	$x = 40°$	[1] Calculation
6	Exterior angles of a quadrilateral	[1] Reason
	$x = 40°$	[1] Calculation