

Angles Topic Test 4 (20 minutes)

Mark Scheme

Q	Answer	Mark	Comments
1	309	B1	Tolerance $\pm 2^\circ$
2	140	B1	
	Angles at a point add to 360°	B1	
3 (a)	60	B1	
	Angles in an equilateral triangle are 60°	B1	
3 (b)	120	B1ft	ft 180 – their 60
	Angles on a straight line add to 180°	B1	
4 (a)	<i>AC</i> and <i>BD</i> or <i>AB</i> and <i>CD</i> or <i>AB</i> and <i>CE</i> or <i>AB</i> and <i>DE</i> or <i>AB</i> and <i>CDE</i> marked with arrows	B1	
4 (b)	29	B1	Tolerance $\pm 2^\circ$
5	$(180 - 28) \div 2$ or 76	M1	
	$180 - 76$	M1	
	104 and all reasons given	A1	Angles in a triangle add to 180° Isosceles triangle has two equal angles Angles on a straight line add to 180°
6	$180 - 90 - 50$	M1	
	<i>EBA</i> = 50 or <i>BCA</i> = 40	A1	
	40 and all reasons given	A1	Angles in a triangle add to 180° and alternate angles are equal or Corresponding angles are equal and angles on a straight line add to 180°