Question	Answer	Mark	Mark scheme	Additional guidance
16	Shown	C1	for angle ECD = 70 or for angle ADB = 70 **and** angle DAB = 40	May be seen on the diagram
		C1	for a correct relevant reason relating to finding an angle in a triangle, eg • base <u>angles</u> of an <u>isosceles</u> triangle are equal • sum of <u>angles</u> in a <u>triangle</u> is 180	Do not award if an incorrect statement about angles in triangles seen.
		C1	for comparison of angles which would show that EC is parallel to AB, eg • angle ECD = angle ABC (= 70) • angle BAD = angle CED (= 40) • angle BCX = angle ABC (= 70) • angle AEY = angle BAD (= 40) • angle ECB = 110 **and** angle ECB + angle CBA = 180 • angle AEC = 140 **and** angle BAD + angle AEC = 180 • angle ECD = angle ABD (= 70) **and** angle DAB = angle DEC (= 40)	Allow alternative correct labelling of angles eg angle ABD for angle ABC Must be identified in some way, not just angles written on diagram. Angles must be unambiguously identified. Where X is a point on EC extended. Where Y is a point on CE extended.
		C1	for a correct reason relating to angles in parallel lines which would show that EC is parallel to AB, eg • <u>corresponding angles</u> are equal **with** angle ECD = angle ABC (= 70) • <u>corresponding angles</u> are equal **with** angle BAD = angle CED (= 40) • <u>alternate angles</u> are equal **with** angle BCX = angle ABC (= 70) • <u>alternate angles</u> are equal **with** angle AEY = angle BAD (= 40) • <u>co-interior angles</u> add to 180 **with** angle ECB + angle CBA = 180 • <u>co-interior angles</u> add to 180 **with** angle BAD + angle AEC = 180 • <u>similar triangles</u> **with** angle ECD = angle ABD (= 70) **and** angle DAB = angle DEC (= 40)	Reason must be consistent with their method. If superfluous reasons seen then we need the correct appropriate reason to be linked to the comparison of angles. Incorrect statement(s) seen is maximum 3 marks. Accept allied for co-interior.