Paper: 1MA1/1H

Question	Answer	Mark	Mark scheme	Additional guidance
8 (a)	Proof	M1	for identifying angle A as common **or** for angle AED = angle ACB or angle ADE = angle ABC with appropriate reason(s) eg corresponding angles are equal or co-interior angles add up to 180 and angles on a straight line add up to 180	
		C1	for completing the proof by identifying a second pair of equal angles with appropriate reason(s) **and** a statement that the angles in each triangle are the same	Statement can be implied by identifying a third pair of equal angles (no reason needed)
(b)	6	P1	for a scale factor of 1.5 or $\frac{2}{3}$ oe **or** for $\frac{AE}{20}=\frac{18}{30}$ oe	
		P1	for a process to find the length of AE, eg $18 \div 1.5$ (= 12) oe **or** $(AE =)\frac{20\times18}{30}$ oe **or** for a complete process to find the length of EC, eg $18\times(1-\frac{2}{3})$ oe	
		A1	cao	