

Question 11 – 4:

11(a)	20	2	M1 for $\frac{360}{18}$ or $180 - \frac{16 \times 180}{18}$
11(b)	4.5	2	M1 for $\frac{BE}{6.75} = \frac{5.2}{5.2 + 2.6}$ oe
11(c)	5.8[0] or 5.798 to 5.799	3	M2 for $2 \times \sqrt[3]{\frac{780}{32}}$ oe or M1 for $\sqrt[3]{\frac{780}{32}}$ or $\sqrt[3]{\frac{32}{780}}$ or $\frac{2^3}{l^3} = \frac{32}{780}$
11(d)	$QN = NR$ [given]	B1	
	Two correct pairs of angles with reasons from angle $PQN =$ angle SRN alternate angle $QPN =$ angle RSN alternate angle $PNQ =$ angle SNR [vertically] opposite	B2	B1 for any correct pair of angles with reason or two correct pairs of angles with no/wrong reasons
	ASA [implies congruent]	B1	dep on B1 B2