

Question 9 – 3:

9(a)	$PMR = MSR = \text{right angle[s] or } 90^\circ$	B1	
	$PRM = MRS$ same angle	B1	
	AAA oe OR $MPR = SMR$ 3rd angle of triangle	B1	Dep on B1B1 and no errors seen
9(b)(i)	5.5	2	M1 for $\frac{x}{4.5} = \frac{9.9}{8.1}$ oe
9(b)(ii)	16.7 or 16.73 to 16.74	2	M1 for $25 \times \left(\frac{8.1}{9.9}\right)^2$ oe or $25 \times \left(\frac{4.5}{\text{their } 5.5}\right)^2$ oe