Module 2 Similar Shapes Answers

1)

9 (a) (i)	Similar	1	Allow enlargement
(ii)	4.5	2	**M1** for $\frac{AX}{3}=\frac{9}{6}$ oe

2)

108	**2**	**M1** for 3^3 or 27 or $\left(\frac{1}{3}\right)^3$ or $\frac{1}{27}$ seen

3)

(a)	4.5(0)	**1**	
(b)	200	**2**	**M1** 0.5^3 or 2^3 seen

4)

(a) (i)	Similar	1	Accept enlargement
(ii)	2.7	2	**M1** for $\frac{PQ}{3.6}=\frac{3}{4}$ oe
(iii)	3.15	2	**M1** for $\left(\frac{3}{4}\right)^2$ or $\left(\frac{4}{3}\right)^2$ o.e seen If $\frac{1}{2}ab\sin C$ used or base and height used then must be full method for **M1**

5)

9.6 cao	2	**M1** $\frac{x}{8}=\frac{12}{10}$ oe