Question	Scheme	Mark	Notes
23 (a)	One term correct $9x^2 - 30x$	2	M1 A1
(b)	$"9x^2 - 30x" = -25$ $9x^2 - 30x + 25 (= 0)$ $(3x - 5)^2$ (Attempt to factorise c's quadratic) $x = \frac{5}{3}$ OR $1\frac{2}{3}$ OR 1.67	4	M1 A1 M1 A1
24 (a)	$\frac{6}{\sin \angle ABC} = \frac{10}{\sin 50}$ oe $\angle ABC = \sin^{-1}\left(\frac{6 \times \sin 50}{10}\right)$ $\angle ABC = 27.363 \rightarrow \mathbf{27.4}$ awrt	3	M1 M1 (DEP) A1
(b)	$\frac{AB}{\sin(180 - (50 + "\angle ABC"))} = \frac{10}{\sin 50}$ $AB = \frac{10 \times \sin(180 - (50 + "\angle ABC"))}{\sin 50}$ **(OR** $AB^2 = 6^2 + 10^2 - 2 \times 6 \times 10 \times \cos(180 - (50 + "\angle ABC"))$ $AB = \sqrt{((6^2 + 10^2) - (2 \times 6 \times 10 \times \cos(180 - (50 + "\angle ABC"))))}$ **)** $AB = 12.74 \rightarrow \mathbf{12.7}$ (cm) awrt	3	M1 M1 (DEP) (M1) (M1 (DEP))