Question	Answer	Marks	Guidance
1(a)	1080^{o}	**B1**	
1(b)	$a=4$	**B1**	
	$b=3$	**B1**	
	$c=-2$	**B1**	
2(a)	$(0,\ 14)$	**2**	**B1** for x-coordinate **B1** for y-coordinate
2(b)	$y-14=-\frac{1}{2}x$	**2**	**M1** for finding the gradient of a perpendicular line and attempt at the straight line equation using *their B* **A1** Allow unsimplified
2(c)	Area = $\frac{1}{2}\times 14\times 28$	**M1**	Must be a complete method making use of *their* answer to **(b)**
	196	**A1**	
3(a)	13 soi	**B1**	For finding the magnitude of $\begin{pmatrix}12\\-5\end{pmatrix}$
	$\begin{pmatrix}36\\-15\end{pmatrix}$	**B1**	
3(b)	$10+4\lambda=-4\mu$ or $-5+6\lambda=5\mu$	**2**	**M1** for equating like vectors **Dep M1** for attempt to solve *their* simultaneous equations to obtain 2 solutions
	$\mu=-\frac{20}{11}$	**A1**	
	$\lambda=-\frac{15}{22}$	**A1**	
4(a)	$a=\frac{7}{2}$	**B1**	
	$b=1$	**B1**	
	$c=\frac{1}{6}$	**B1**	