## 令和7年度 一般選抜 С A 共通テスト併用方式 数学解答

問題番号	小問	解答記号	正解
1	(1)	実部は $\frac{1\sqrt{3}}{2}$ , 虚部は $\frac{3}{4}$	実部は $rac{5\sqrt{3}}{7}$ , 虚部は $rac{3}{7}$
	(2)	$a = \begin{bmatrix} 5 \end{bmatrix}, b = \begin{bmatrix} 6 \end{bmatrix} \begin{bmatrix} 7 \end{bmatrix}, c = \begin{bmatrix} 8 \end{bmatrix} \begin{bmatrix} 9 \end{bmatrix}$	a = 2, b = -4, c = -1
	(3)	$\boxed{10}\log_5 3 + \boxed{11}$	$4\log_5 3 + 2$
	(4)	12	8
	(5)	$a_1 = \boxed{13} \boxed{14}, \ a_{10} = \boxed{15} \boxed{16}$	$a_1 = -2, \ a_{10} = 16$
2	(1)	$\frac{\sqrt{\boxed{17}-\sqrt{\boxed{18}}}}{4}$	$\frac{\sqrt{6}-\sqrt{2}}{4}$
	(2)	$AB = \boxed{19},  AC = \sqrt{\boxed{20}} - \boxed{21}$	$AB = 2,  AC = \sqrt{3} - 1$
	(3)	$\frac{22 - \sqrt{23}}{2}$	$\frac{3-\sqrt{3}}{2}$
3	(1)	$\begin{array}{c c} 1 \\ \hline 24 \hspace{0.1cm} \hline \hspace{0.1cm} 25 \hspace{0.1cm} \\ \end{array}$	$\frac{1}{20}$
	(2)	26 27	$\frac{2}{5}$
	(3)	28 29	$\frac{1}{4}$
4	(1)	30 31	-2
	(2)	32	6
	(3)	$-\frac{33}{3}$	$-\frac{2}{3}$
	(4)	$\frac{\boxed{34} \boxed{35}}{\sqrt{3}} - \boxed{36}$	$\frac{10}{\sqrt{3}} - 4$
5	(1)	$(\boxed{37}\boxed{38}, \boxed{39})$	(12, 9)
	(2)	$(x - \boxed{40} \boxed{41})^2 + y^2 = \boxed{42} \boxed{43}$	$(x-12)^2 + y^2 = 81$
	(3)	$\left(\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\left(\frac{7}{2},\frac{\sqrt{35}}{2}\right)$
6	(1)	49 50	-2
	(2)	a = 51 $52$ , $b = 53$ , 面積は $54$ $55$	$a = -1$ , $b = 2$ , 面積は $\frac{9}{2}$
	(3)	56 57	-2