

令和7年度 一般選抜C 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 $\frac{\boxed{1}\sqrt{3}}{\boxed{2}}$, 虚部は $\frac{\boxed{3}}{\boxed{4}}$	実部は $\frac{5\sqrt{3}}{7}$, 虚部は $\frac{3}{7}$
	(2)	$a = \boxed{5}$, $b = \boxed{6}\boxed{7}$, $c = \boxed{8}\boxed{9}$	$a = 2$, $b = -4$, $c = -1$
	(3)	$\boxed{10} \log_5 3 + \boxed{11}$	$4 \log_5 3 + 2$
	(4)	$\boxed{12}$	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)	$\frac{\boxed{22} - \sqrt{\boxed{23}}}{2}$	$\frac{3 - \sqrt{3}}{2}$
3	(1)	$\frac{1}{\boxed{24}\boxed{25}}$	$\frac{1}{20}$
	(2)	$\frac{\boxed{26}}{\boxed{27}}$	$\frac{2}{5}$
	(3)	$\frac{\boxed{28}}{\boxed{29}}$	$\frac{1}{4}$
4	(1)	$\boxed{30}\boxed{31}$	-2
	(2)	$\boxed{32}$	6
	(3)	$-\frac{\boxed{33}}{3}$	$-\frac{2}{3}$
	(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)	$\left(\frac{\boxed{44}}{\boxed{45}}, \frac{\sqrt{\boxed{46}\boxed{47}}}{\boxed{48}} \right)$	$\left(\frac{7}{2}, \frac{\sqrt{35}}{2} \right)$
6	(1)	$\boxed{49}\boxed{50}$	-2
	(2)	$a = \boxed{51}\boxed{52}$, $b = \boxed{53}$, 面積は $\frac{\boxed{54}}{\boxed{55}}$	$a = -1$, $b = 2$, 面積は $\frac{9}{2}$
	(3)	$\boxed{56}\boxed{57}$	-2