

令和3年度 一般選抜A個別方式(第1日) 数学解答

問題番号	小問	解答記号	正解
1	(1)	$\frac{\boxed{1} + \sqrt{2} - \sqrt{\boxed{2}}}{\boxed{3}}$	$\frac{1 + \sqrt{2} - \sqrt{3}}{4}$
	(2)	$x = \boxed{4}$, 最大値 $\boxed{5}$, $x = \boxed{6}$, 最小値 $-\boxed{7}$	$x = 6$, 最大値 2 , $x = 3$, 最小値 -7
	(3)	$\alpha = \frac{\boxed{8}}{\boxed{9}}$, $k = \boxed{10} \boxed{11}$	$\alpha = \frac{1}{6}$, $k = 20$
	(4)	$\frac{\sqrt{\boxed{12}}}{\boxed{13}}$	$\frac{\sqrt{5}}{2}$
	(5)	$\boxed{14}$	5
2	(1)	$\frac{\boxed{15}}{\boxed{16}} \sqrt{\boxed{17}}$	$\frac{2}{7} \sqrt{6}$
	(2)	$\frac{\boxed{18}}{\boxed{19}}$	$\frac{5}{7}$
	(3)	$a_1 = \boxed{20}$, $a_2 = \boxed{21}$, 面積は $\boxed{22} \sqrt{\boxed{23}}$	$a_1 = 4$, $a_2 = 6$, 面積は $4\sqrt{6}$
3	(1)	$\boxed{24} \boxed{25} \boxed{26}$	560
	(2)	$\boxed{27} \boxed{28}$	44
	(3)	$\boxed{29} \boxed{30} \boxed{31}$	516
4	(1)	$\boxed{32} \boxed{33}$	20
	(2)	$\boxed{34} \boxed{35} + \boxed{36} \boxed{37} \sqrt{2}$	$62 + 31\sqrt{2}$
	(3)	$(2^{10} - \boxed{38})(\boxed{39} \cdot 2^{10} + \boxed{40} + \sqrt{2})$	$(2^{10} - 1)(2 \cdot 2^{10} + 4 + \sqrt{2})$
5	(1)	$\boxed{41} a - \boxed{42}$	$2a - 3$
	(2)	$a = \boxed{43}$, $b = -\boxed{44} \boxed{45}$, $c = \boxed{46} \boxed{47}$	$a = 4$, $b = -18$, $c = 10$
6	(1)	$\boxed{48}$	1
	(2)	$a = \frac{\boxed{49}}{\boxed{50}}$, $b = -\frac{\boxed{51}}{\boxed{52}}$, $c = \boxed{53}$	$a = \frac{1}{2}$, $b = -\frac{3}{2}$, $c = 0$
	(3)	$\boxed{54} \boxed{55}$	12