

令和5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)	x^5 の係数は $-\boxed{1}$	x^5 の係数は -3
	(2)	最大値は $\boxed{2}$, 最小値は $-\boxed{3}\boxed{4}$	最大値は 9 , 最小値は -16
	(3)	$\boxed{5}$	8
	(4)	商は $\boxed{6}x^2 + \boxed{7}x + \boxed{8}$, 余りは $\boxed{9}$	商は $2x^2 + 3x + 4$, 余りは 5
	(5)	$\boxed{10}\boxed{11}\boxed{12}$	420
2	(1)	$\cos \angle ABC = -\frac{\boxed{13}}{\boxed{14}}, \sin \angle ABC = \frac{\sqrt{15}}{\boxed{15}}$	$\cos \angle ABC = -\frac{1}{4}, \sin \angle ABC = \frac{\sqrt{15}}{4}$
	(2)	$\frac{\boxed{16}}{\boxed{17}}$	$\frac{5}{2}$
	(3)	$\frac{\boxed{18}\boxed{19}}{256}\sqrt{15}$	$\frac{75}{256}\sqrt{15}$
3	(1)	$-\frac{1}{\boxed{20}}x + \boxed{21}$	$-\frac{1}{3}x + 1$
	(2)	$(x - \boxed{22})^2 + (y + \boxed{23})^2 = \boxed{24}\boxed{25}$	$(x - 6)^2 + (y + 1)^2 = 25$
	(3)	$\pm \frac{\boxed{26}\sqrt{\boxed{27}\boxed{28}}}{\boxed{29}\boxed{30}}$	$\pm \frac{5\sqrt{11}}{11}$
4	(1)	$\boxed{31}\boxed{32}$	10
	(2)	$\boxed{33} \cdot \boxed{34}^{n-1} - \boxed{35}$	$4 \cdot 3^{n-1} - 2$
	(3)	$2 \cdot \boxed{36}^n - \boxed{37}n - \boxed{38}$	$2 \cdot 3^n - 2n - 2$
5	(1)	$\frac{\boxed{39}}{\boxed{40}}\overrightarrow{\text{OA}} + \frac{\boxed{41}}{\boxed{42}}\overrightarrow{\text{OB}}$	$\frac{1}{3}\overrightarrow{\text{OA}} + \frac{2}{3}\overrightarrow{\text{OB}}$
	(2)	$\frac{\boxed{43}}{\boxed{44}}\overrightarrow{\text{OA}} + \frac{\boxed{45}}{\boxed{46}}\overrightarrow{\text{OB}}$	$\frac{1}{5}\overrightarrow{\text{OA}} + \frac{2}{5}\overrightarrow{\text{OB}}$
	(3)	$\boxed{47}$	3
6	(1)	$\boxed{48}x + \frac{\boxed{49}}{\boxed{50}}$	$-x + \frac{3}{4}$
	(2)	面積は $\frac{\boxed{51}}{\boxed{52}}$, y 切片は $\frac{\sqrt[3]{\boxed{53}}}{\boxed{54}} - \frac{1}{\boxed{55}}$	面積は $\frac{4}{3}$, y 切片は $\frac{\sqrt[3]{2}}{2} - \frac{1}{4}$