

# 慶應義塾大学

## 環境情報学部 2/18

### 数学

#### 数学 I

(1)(2)	(3)(4)	(5)(6)	(7)	(8)
0, 6	16	10	8	2
6	16 個	10 桁	8	2

#### 数学 II

(9)-(13)	(14)-(18)	(19)-(22)	(23)-(26)	(27)-(30)	(31)-(34)
0, 1, 0, 6, 3	0, 1, 0, 8, 3	0, 1, 0, 4	0, 1, 0, 4	0, 1, 0, 4	0, 4, 0, 3
$\frac{1}{6}(\beta - \alpha)^3$	$\frac{1}{8}(\beta - \alpha)^3$	$\frac{1}{4}S_1$	$\frac{1}{4}S_2$	$\frac{1}{4}$	$\frac{4}{3}$

#### 数学 III

(35)(36)	(37)-(40)	(41)(42)	(43)(44)	(45)(46)	(47)-(50)	(51)(52)
0, 3	0, 9, 0, 2	0, 6	0, 8	1, 0	2, 5, 0, 2	2, 7
3	$\frac{9}{2}$	6	8	10	$\frac{25}{2}$	$n \geq 27$

(53)-(58)	(59)-(62)	(63)-(72)
0, 8, 0, 1, 0, 3	0, 8, 0, 2	1, 6, 0, 2, 0, 8, 0, 7, -, 1
$\frac{1}{8}(n+1)(n+3)$	$\frac{1}{8}(n+2)^2$	$\frac{1}{16}\{2n^2 + 8n + 7 + (-1)^n\}$

### 数学 IV

(73)-(75)	(76)(77)	(78)(79)	(80)(81)(82)	(83)(84)	(85)(86)	(87)(88)
0, 1, 1	0, 4	0, 5	1, 2, 7	0, 4	0, 7	0, 9
11	4	5	127	4	7	9

### 数学 V

(89)(90)	(91)-(96)	(97)-(102)	(103)(104)	(105)(106)	(107)-(112)
0, 4	1, 6, 6, 0, 0, 3	7, 1, 0, 8, 0, 3	2, 1	3, 2	1, 2, 2, 4, 0, 3
4 個	$\frac{166}{3}$	$71 + 8\sqrt{3}$	21 個	32	$12 + 24\sqrt{3}$

### 数学 VI

(113)-(116)	(117)-(120)	(121)-(124)	(125)-(128)	(129)-(132)	(133)-(136)	(137)-(140)
0, 9, 2, 0	0, 3, 1, 0	0, 1, 0, 4	1, 6, 8, 1	0, 4, 0, 9	0, 1, 0, 3	0, 2, 0, 9
$\frac{9}{20}$	$\frac{3}{10}$	$\frac{1}{4}$	$\frac{16}{81}$	$\frac{4}{9}$	$\frac{1}{3}$	$\frac{2}{9}$

