

# 慶應義塾大学

総合政策学部 (2月17日実施)

## 数学

I

| 解答番号       | 空所の埋め方            | 解答となる値や式        |
|------------|-------------------|-----------------|
| (1) - (4)  | $\frac{12}{25}$   | $\frac{12}{25}$ |
| (5) - (10) | $\frac{028}{055}$ | $\frac{28}{55}$ |

II

|             |     |                        |
|-------------|-----|------------------------|
| (11)(12)    | 12  | $(\alpha - \beta)$     |
| (13)(14)    | 15  | $(b - a)$              |
| (15)(16)    | 18  | $(a - h)(b - h)$       |
| (17)(18)    | 15  | $(b - a)$              |
| (19)(20)    | 18  | $(a - h)(b - h)$       |
| (21)(22)    | 15  | $(b - a)$              |
| (23)(24)    | 15  | $(b - a)$              |
| (25)(26)    | 18  | $(a - h)(b - h)$       |
| (27)(28)    | 18  | $(a - h)(b - h)$       |
| (29) - (31) | 273 | $\sqrt{273} \text{ m}$ |

III

|           |                               |                           |
|-----------|-------------------------------|---------------------------|
| (32)-(39) | $\frac{09 + -3\sqrt{02}}{07}$ | $\frac{9 - 3\sqrt{2}}{7}$ |
|-----------|-------------------------------|---------------------------|

## IV

|             |                                                               |                                                           |
|-------------|---------------------------------------------------------------|-----------------------------------------------------------|
| (40) - (49) | $\frac{04a^2 + 00a + 01}{04a + 00}$                           | $\frac{4a^2 + 1}{4a}$                                     |
| (50) - (57) | $\left(\pm \frac{\sqrt{02}}{02}, \frac{\sqrt{02}}{02}\right)$ | $\left(\pm \frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$ |
| (58) - (63) | $\frac{10 + -3\pi}{12}$                                       | $\frac{10 - 3\pi}{12}$                                    |

## V

|             |     |     |
|-------------|-----|-----|
| (64) - (66) | 233 | 233 |
| (67) - (69) | 377 | 377 |
| (70) - (72) | 610 | 610 |
| (73) - (75) | 012 | 12  |
| (76) - (78) | 016 | 16  |
| (79) - (81) | 021 | 21  |

## VI

|              |        |        |
|--------------|--------|--------|
| (82) - (86)  | 025.00 | 25     |
| (87) - (91)  | 292.50 | 292.5  |
| (92) - (96)  | 100.00 | 100    |
| (97) - (101) | 156.25 | 156.25 |