

# 数 学

## ●2月1日実施

- I**
- |                              |                           |                          |                           |
|------------------------------|---------------------------|--------------------------|---------------------------|
| (1) ① $(2x+3y)(7x+5y)$       | (2) ② $\frac{3x-1}{x+2}$  | (3) ③ $6ax^2-10ax-3$     | (4) ④ $a=3$               |
| (4) ⑤ 42                     | (5) ⑥ $(3, -8)$           | (6) ⑦ $\{3, 4, 6, 9\}$   | (7) ⑧ $(2, 3)$            |
| (8) ⑩ $y = -7x^2 + 42x - 65$ | (9) ⑪ $3x^2 - 5x + 1$     | (10) ⑫ $2 + \sqrt{3}$    | (13) ⑬ $11.7 + 5\sqrt{3}$ |
| (11) ⑭ $\frac{441}{1000}$    | (15) ⑮ $\frac{189}{1000}$ | (16) ⑯ $\frac{27}{1000}$ | (17) ⑰ $\frac{27}{125}$   |
| (18) ⑱ 900                   | (12) ⑲ D                  | (20) ⑳ C                 |                           |

## ●2月9日実施

- I**
- |                              |                      |                       |                             |
|------------------------------|----------------------|-----------------------|-----------------------------|
| (1) ① $(x^2+5x+3)(x^2+5x+7)$ | (2) ② $\frac{4}{11}$ | (3) ③ 16              | (4) ④ $x+y < 2$             |
| (5) ⑥ 5                      | (7) ⑦ 3              | (8) ⑧ $-\frac{7}{32}$ | (9) ⑨ $\frac{\sqrt{23}}{4}$ |
| (10) ⑩ $\frac{\sqrt{6}}{2}$  | (11) ⑪ B             | (12) ⑫ 1              | (13) ⑬ 5                    |
| (9) ⑭ $-2 < a < 1$           | (10) ⑮ 8             | (16) ⑯ 9              | (11) ⑰ 4                    |
| (12) ⑱ 144                   | (13) ⑲ $\frac{1}{6}$ | (20) ⑳ $\frac{21}{4}$ |                             |
| (14) ㉑ 1012                  | (22) ㉒ 675           |                       |                             |

## ●2月10日実施

- I**
- |   |                                      |                        |  |
|---|--------------------------------------|------------------------|--|
| (1) ① $4a^2+20ac-16b^2+25c^2$           | (2) ② 45                             | (3) ③ $i$              | (4) ④ $\frac{\sqrt{3}}{4}$                                 |
| (5) ⑤ $\frac{3\sqrt{3}}{4}$             | (6) ⑥ $\frac{3\sqrt{3}}{2}$          | (7) ⑦ $\{1, 2\}$       | (8) ⑧ $\{1, 2, 3, 4, 6, 7, 12, 14\}$                       |
| (9) ⑨ $\{3, 4, 6, 12\}$                 | (10) ⑩ $\{5, 8, 9, 10, 11, 13, 15\}$ | (6) ⑪ 6                | (12) ⑫ $\sqrt{\frac{34}{5}}$ (または $\frac{\sqrt{170}}{5}$ ) |
| (7) ⑬ $\frac{1}{5}$                     | (14) ⑭ $\frac{17}{45}$               | (8) ⑮ 4                | (9) ⑯ $x < \frac{3}{2}$                                    |
| (10) ⑰ 9                                | (18) ⑱ 2                             | (11) ⑲ $\frac{\pi}{2}$ | (20) ⑳ $2 + \sqrt{3}$                                      |
| (21) ㉑ $\frac{4}{3}\pi, \frac{5}{3}\pi$ | (22) ㉒ $\frac{1}{4}$                 | (12) ㉓ 1               | (24) ㉔ $\frac{5}{2}$                                       |
| (13) ㉕ $\frac{81}{2}$                   |                                      |                        |  |