

解答

1. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| (1) $\frac{1}{2}$          | (2) $\frac{1}{2}$          | (3) $-\frac{1}{2}$         |
| (4) 1                      | (5) $\frac{\sqrt{3}}{2}$   | (6) $-\frac{1}{2}$         |
| (7) $\frac{1}{\sqrt{2}}$   | (8) 0                      | (9) $\frac{1}{2}$          |
| (10) $\frac{1}{2}$         | (11) $-\frac{1}{2}$        | (12) $\frac{\sqrt{3}}{2}$  |
| (13) $-\frac{\sqrt{3}}{2}$ | (14) $\frac{1}{\sqrt{2}}$  | (15) 1                     |
| (16) 0                     | (17) $\frac{1}{\sqrt{2}}$  | (18) $\frac{\sqrt{3}}{2}$  |
| (19) $\frac{1}{2}$         | (20) $-\frac{1}{\sqrt{2}}$ | (21) -1                    |
| (22) $\frac{1}{2}$         | (23) 1                     | (24) $\frac{1}{\sqrt{2}}$  |
| (25) $\frac{1}{\sqrt{2}}$  | (26) $\frac{\sqrt{3}}{2}$  | (27) $-\frac{1}{\sqrt{2}}$ |
| (28) $\frac{1}{2}$         | (29) $\frac{\sqrt{3}}{2}$  | (30) $-\frac{1}{\sqrt{2}}$ |

2. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                           |                           |                            |
|---------------------------|---------------------------|----------------------------|
| (1) $-\frac{1}{2}$        | (2) $-\frac{\sqrt{3}}{2}$ | (3) $\frac{1}{2}$          |
| (4) $\frac{1}{\sqrt{2}}$  | (5) $-\frac{1}{\sqrt{2}}$ | (6) $\frac{\sqrt{3}}{2}$   |
| (7) 1                     | (8) 0                     | (9) $\frac{\sqrt{3}}{2}$   |
| (10) $\frac{1}{2}$        | (11) $-\frac{1}{2}$       | (12) 0                     |
| (13) $\frac{1}{\sqrt{2}}$ | (14) $\frac{1}{2}$        | (15) $\frac{\sqrt{3}}{2}$  |
| (16) 0                    | (17) $\frac{1}{\sqrt{2}}$ | (18) $-\frac{\sqrt{3}}{2}$ |
| (19) $\frac{\sqrt{3}}{2}$ | (20) 1                    | (21) $\frac{1}{\sqrt{2}}$  |
| (22) $\frac{1}{2}$        | (23) $-\frac{1}{2}$       | (24) $\frac{\sqrt{3}}{2}$  |
| (25) 0                    | (26) -1                   | (27) $\frac{\sqrt{3}}{2}$  |
| (28) $\frac{1}{\sqrt{2}}$ | (29) $\frac{1}{\sqrt{2}}$ | (30) 0                     |

3. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                            |                            |                           |
|----------------------------|----------------------------|---------------------------|
| (1) $\frac{1}{2}$          | (2) $\frac{\sqrt{3}}{2}$   | (3) $\frac{1}{2}$         |
| (4) 1                      | (5) $-\frac{1}{\sqrt{2}}$  | (6) $-\frac{1}{2}$        |
| (7) 0                      | (8) $-\frac{\sqrt{3}}{2}$  | (9) $\frac{1}{2}$         |
| (10) $\frac{1}{\sqrt{2}}$  | (11) 0                     | (12) $-\frac{1}{2}$       |
| (13) $-\frac{1}{\sqrt{2}}$ | (14) 1                     | (15) $\frac{\sqrt{3}}{2}$ |
| (16) $\frac{\sqrt{3}}{2}$  | (17) $\frac{1}{\sqrt{2}}$  | (18) $\frac{1}{\sqrt{2}}$ |
| (19) $\frac{1}{2}$         | (20) $\frac{1}{2}$         | (21) -1                   |
| (22) 1                     | (23) 0                     | (24) $\frac{\sqrt{3}}{2}$ |
| (25) $\frac{1}{\sqrt{2}}$  | (26) $-\frac{\sqrt{3}}{2}$ | (27) $\frac{1}{2}$        |
| (28) $\frac{1}{\sqrt{2}}$  | (29) $\frac{\sqrt{3}}{2}$  | (30) 1                    |

4. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                           |                            |                            |
|---------------------------|----------------------------|----------------------------|
| (1) 0                     | (2) $-\frac{1}{2}$         | (3) $\frac{\sqrt{3}}{2}$   |
| (4) $-\frac{1}{\sqrt{2}}$ | (5) -1                     | (6) $\frac{1}{\sqrt{2}}$   |
| (7) $\frac{1}{\sqrt{2}}$  | (8) 1                      | (9) 0                      |
| (10) $\frac{\sqrt{3}}{2}$ | (11) $\frac{1}{2}$         | (12) $\frac{\sqrt{3}}{2}$  |
| (13) -1                   | (14) $-\frac{1}{2}$        | (15) 0                     |
| (16) $\frac{1}{2}$        | (17) $-\frac{1}{\sqrt{2}}$ | (18) 1                     |
| (19) $\frac{1}{2}$        | (20) $\frac{1}{\sqrt{2}}$  | (21) $-\frac{1}{\sqrt{2}}$ |
| (22) $\frac{\sqrt{3}}{2}$ | (23) $\frac{\sqrt{3}}{2}$  | (24) 0                     |
| (25) 0                    | (26) $-\frac{1}{\sqrt{2}}$ | (27) $\frac{1}{2}$         |
| (28) 1                    | (29) $-\frac{1}{2}$        | (30) $\frac{1}{\sqrt{2}}$  |

5. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| (1) $\frac{1}{2}$          | (2) $\frac{\sqrt{3}}{2}$   | (3) $\frac{1}{\sqrt{2}}$   |
| (4) $-\frac{\sqrt{3}}{2}$  | (5) 0                      | (6) 1                      |
| (7) $\frac{1}{2}$          | (8) $-\frac{\sqrt{3}}{2}$  | (9) $\frac{1}{2}$          |
| (10) $\frac{\sqrt{3}}{2}$  | (11) $\frac{1}{\sqrt{2}}$  | (12) 0                     |
| (13) 0                     | (14) 1                     | (15) $\frac{\sqrt{3}}{2}$  |
| (16) $-\frac{1}{\sqrt{2}}$ | (17) $\frac{1}{2}$         | (18) $\frac{1}{2}$         |
| (19) $\frac{\sqrt{3}}{2}$  | (20) $-\frac{\sqrt{3}}{2}$ | (21) $-\frac{1}{2}$        |
| (22) $\frac{1}{\sqrt{2}}$  | (23) $-\frac{1}{\sqrt{2}}$ | (24) 1                     |
| (25) $\frac{\sqrt{3}}{2}$  | (26) $\frac{1}{2}$         | (27) $\frac{1}{2}$         |
| (28) $\frac{1}{\sqrt{2}}$  | (29) 0                     | (30) $-\frac{\sqrt{3}}{2}$ |

6. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| (1) $-\frac{\sqrt{3}}{2}$  | (2) $\frac{1}{\sqrt{2}}$   | (3) $\frac{\sqrt{3}}{2}$   |
| (4) 0                      | (5) $\frac{\sqrt{3}}{2}$   | (6) 1                      |
| (7) 0                      | (8) $\frac{1}{2}$          | (9) -1                     |
| (10) $\frac{1}{\sqrt{2}}$  | (11) $\frac{\sqrt{3}}{2}$  | (12) $\frac{1}{2}$         |
| (13) $\frac{1}{\sqrt{2}}$  | (14) $\frac{\sqrt{3}}{2}$  | (15) 1                     |
| (16) $-\frac{\sqrt{3}}{2}$ | (17) 0                     | (18) $-\frac{1}{\sqrt{2}}$ |
| (19) $\frac{1}{2}$         | (20) $-\frac{1}{2}$        | (21) $\frac{\sqrt{3}}{2}$  |
| (22) $\frac{1}{2}$         | (23) $-\frac{1}{\sqrt{2}}$ | (24) $\frac{1}{\sqrt{2}}$  |
| (25) $\frac{1}{\sqrt{2}}$  | (26) 1                     | (27) $\frac{\sqrt{3}}{2}$  |
| (28) 0                     | (29) $\frac{\sqrt{3}}{2}$  | (30) $-\frac{\sqrt{3}}{2}$ |

7. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                            |                           |                            |
|----------------------------|---------------------------|----------------------------|
| (1) $-\frac{1}{\sqrt{2}}$  | (2) $\frac{1}{2}$         | (3) $-\frac{1}{2}$         |
| (4) $\frac{1}{\sqrt{2}}$   | (5) 0                     | (6) $\frac{1}{2}$          |
| (7) $\frac{\sqrt{3}}{2}$   | (8) $\frac{\sqrt{3}}{2}$  | (9) $\frac{1}{\sqrt{2}}$   |
| (10) 1                     | (11) $-\frac{1}{2}$       | (12) $\frac{1}{\sqrt{2}}$  |
| (13) $\frac{1}{2}$         | (14) 0                    | (15) $-\frac{\sqrt{3}}{2}$ |
| (16) $\frac{1}{2}$         | (17) $\frac{\sqrt{3}}{2}$ | (18) 1                     |
| (19) $\frac{\sqrt{3}}{2}$  | (20) -1                   | (21) $-\frac{1}{\sqrt{2}}$ |
| (22) $\frac{1}{\sqrt{2}}$  | (23) $\frac{1}{2}$        | (24) $\frac{1}{2}$         |
| (25) $\frac{1}{\sqrt{2}}$  | (26) 1                    | (27) $\frac{\sqrt{3}}{2}$  |
| (28) $-\frac{\sqrt{3}}{2}$ | (29) $\frac{\sqrt{3}}{2}$ | (30) 0                     |

8. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                            |                           |                           |
|----------------------------|---------------------------|---------------------------|
| (1) $\frac{1}{2}$          | (2) $\frac{1}{\sqrt{2}}$  | (3) $-\frac{1}{\sqrt{2}}$ |
| (4) $\frac{1}{\sqrt{2}}$   | (5) -1                    | (6) $\frac{1}{2}$         |
| (7) $-\frac{1}{2}$         | (8) $\frac{\sqrt{3}}{2}$  | (9) 0                     |
| (10) $-\frac{\sqrt{3}}{2}$ | (11) $\frac{1}{2}$        | (12) 1                    |
| (13) $-\frac{1}{\sqrt{2}}$ | (14) $\frac{1}{\sqrt{2}}$ | (15) $\frac{1}{\sqrt{2}}$ |
| (16) $\frac{\sqrt{3}}{2}$  | (17) -1                   | (18) 0                    |
| (19) $\frac{\sqrt{3}}{2}$  | (20) 1                    | (21) $\frac{1}{2}$        |
| (22) $\frac{1}{\sqrt{2}}$  | (23) $\frac{1}{\sqrt{2}}$ | (24) $\frac{\sqrt{3}}{2}$ |
| (25) $\frac{1}{2}$         | (26) $-\frac{1}{2}$       | (27) -1                   |
| (28) $\frac{\sqrt{3}}{2}$  | (29) 1                    | (30) $\frac{1}{2}$        |

9. 三角関数・弧度法 ( $\sin \theta, (0 < \theta \leq 2\pi)$ )

- |                            |                            |                     |
|----------------------------|----------------------------|---------------------|
| (1) 0                      | (2) $\frac{\sqrt{3}}{2}$   | (3) $\frac{1}{2}$   |
| (4) $\frac{1}{\sqrt{2}}$   | (5) $\frac{1}{\sqrt{2}}$   | (6) 0               |
| (7) 1                      | (8) $-\frac{1}{2}$         | (9) $\frac{1}{2}$   |
| (10) $-\frac{1}{2}$        | (11) $-\frac{1}{\sqrt{2}}$ | (12) 0              |
| (13) $\frac{1}{\sqrt{2}}$  | (14) $\frac{\sqrt{3}}{2}$  | (15) -1             |
| (16) $\frac{1}{2}$         | (17) $\frac{1}{\sqrt{2}}$  | (18) 1              |
| (19) $\frac{\sqrt{3}}{2}$  | (20) $\frac{1}{2}$         | (21) $-\frac{1}{2}$ |
| (22) $\frac{\sqrt{3}}{2}$  | (23) $\frac{1}{\sqrt{2}}$  | (24) -1             |
| (25) $-\frac{1}{\sqrt{2}}$ | (26) $\frac{1}{\sqrt{2}}$  | (27) 0              |
| (28) 1                     | (29) $-\frac{\sqrt{3}}{2}$ | (30) $\frac{1}{2}$  |