## 解答

**1. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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

**2. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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

**3. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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

**4. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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

**5. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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

**6. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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

**7. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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

**8. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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

**9. 三角比（$\tan\theta$ の値（$0°<\theta<180°$））**

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