

| Angle     | Sin           | Cos           | Tan           | Cot           | Sec           | Csc           |
|-----------|---------------|---------------|---------------|---------------|---------------|---------------|
| 0         | 0             | 1             | 0             | undef         | 1             | undef         |
| $\pi/6$   | $1/2$         | $\sqrt{3}/2$  | $1/\sqrt{3}$  | $\sqrt{3}$    | $2/\sqrt{3}$  | 2             |
| $\pi/4$   | $\sqrt{2}/2$  | $\sqrt{2}/2$  | 1             | 1             | $\sqrt{2}$    | $\sqrt{2}$    |
| $\pi/3$   | $\sqrt{3}/2$  | $1/2$         | $\sqrt{3}$    | $1/\sqrt{3}$  | 2             | $2/\sqrt{3}$  |
| $\pi/2$   | 1             | 0             | undef         | 0             | undef         | 1             |
| $2\pi/3$  | $\sqrt{3}/2$  | $-1/2$        | $-\sqrt{3}$   | $-1/\sqrt{3}$ | -2            | $2/\sqrt{3}$  |
| $3\pi/4$  | $\sqrt{2}/2$  | $-\sqrt{2}/2$ | -1            | -1            | $-\sqrt{2}$   | $\sqrt{2}$    |
| $5\pi/6$  | $1/2$         | $-\sqrt{3}/2$ | $-1/\sqrt{3}$ | $-\sqrt{3}$   | $-2/\sqrt{3}$ | 2             |
| $\pi$     | 0             | -1            | 0             | undef         | -1            | undef         |
| $7\pi/6$  | $-1/2$        | $-\sqrt{3}/2$ | $1/\sqrt{3}$  | $\sqrt{3}$    | $-2/\sqrt{3}$ | -2            |
| $5\pi/4$  | $-\sqrt{2}/2$ | $-\sqrt{2}/2$ | 1             | 1             | $-\sqrt{2}$   | $-\sqrt{2}$   |
| $4\pi/3$  | $-\sqrt{3}/2$ | $-1/2$        | $\sqrt{3}$    | $1/\sqrt{3}$  | -2            | $-2/\sqrt{3}$ |
| $3\pi/2$  | -1            | 0             | undef         | 0             | undef         | -1            |
| $5\pi/3$  | $-\sqrt{3}/2$ | $1/2$         | $-\sqrt{3}$   | $-1/\sqrt{3}$ | 2             | $-2/\sqrt{3}$ |
| $7\pi/4$  | $-\sqrt{2}/2$ | $\sqrt{2}/2$  | -1            | -1            | $\sqrt{2}$    | $-\sqrt{2}$   |
| $11\pi/6$ | $-1/2$        | $\sqrt{3}/2$  | $-1/\sqrt{3}$ | $-\sqrt{3}$   | $2/\sqrt{3}$  | -2            |