

| gradi       | radianti          | seno                                            | coseno                                          | tangente                                   | cotangente                                 |
|-------------|-------------------|-------------------------------------------------|-------------------------------------------------|--------------------------------------------|--------------------------------------------|
| <b>0°</b>   | 0                 | 0                                               | 1                                               | 0                                          | $\infty$                                   |
| 9°          | $\frac{\pi}{20}$  | $\frac{\sqrt{3+\sqrt{5}}-\sqrt{5-\sqrt{5}}}{4}$ | $\frac{\sqrt{3+\sqrt{5}}+\sqrt{5-\sqrt{5}}}{4}$ | $\frac{4-\sqrt{10+2\sqrt{5}}}{\sqrt{5}-1}$ | $\frac{\sqrt{5}-1}{4-\sqrt{10+2\sqrt{5}}}$ |
| 15°         | $\frac{\pi}{12}$  | $\frac{\sqrt{6}-\sqrt{2}}{4}$                   | $\frac{\sqrt{6}+\sqrt{2}}{4}$                   | $2-\sqrt{3}$                               | $2+\sqrt{3}$                               |
| 18°         | $\frac{\pi}{10}$  | $\frac{\sqrt{5}-1}{4}$                          | $\frac{\sqrt{10+2\sqrt{5}}}{4}$                 | $\frac{\sqrt{25-10\sqrt{5}}}{5}$           | $\sqrt{5+2\sqrt{5}}$                       |
| 22°30'      | $\frac{\pi}{8}$   | $\frac{\sqrt{2}-\sqrt{2}}{2}$                   | $\frac{\sqrt{2}+\sqrt{2}}{2}$                   | $\sqrt{2}-1$                               | $\sqrt{2}+1$                               |
| <b>30°</b>  | $\frac{\pi}{6}$   | $\frac{1}{2}$                                   | $\frac{\sqrt{3}}{2}$                            | $\frac{\sqrt{3}}{3}$                       | $\sqrt{3}$                                 |
| 36°         | $\frac{\pi}{5}$   | $\frac{\sqrt{10-2\sqrt{5}}}{4}$                 | $\frac{\sqrt{5}+1}{4}$                          | $\sqrt{5-2\sqrt{5}}$                       | $\frac{\sqrt{25+10\sqrt{5}}}{5}$           |
| <b>45°</b>  | $\frac{\pi}{4}$   | $\frac{\sqrt{2}}{2}$                            | $\frac{\sqrt{2}}{2}$                            | 1                                          | 1                                          |
| 54°         | $\frac{3\pi}{10}$ | $\frac{\sqrt{5}+1}{4}$                          | $\frac{\sqrt{10-2\sqrt{5}}}{4}$                 | $\frac{\sqrt{25+10\sqrt{5}}}{5}$           | $\sqrt{5-2\sqrt{5}}$                       |
| <b>60°</b>  | $\frac{\pi}{3}$   | $\frac{\sqrt{3}}{2}$                            | $\frac{1}{2}$                                   | $\sqrt{3}$                                 | $\frac{\sqrt{3}}{3}$                       |
| 67°30'      | $\frac{3\pi}{8}$  | $\frac{\sqrt{2}+\sqrt{2}}{2}$                   | $\frac{\sqrt{2}-\sqrt{2}}{2}$                   | $\sqrt{2}+1$                               | $\sqrt{2}-1$                               |
| 72°         | $\frac{2\pi}{5}$  | $\frac{\sqrt{10+2\sqrt{5}}}{4}$                 | $\frac{\sqrt{5}-1}{4}$                          | $\sqrt{5+2\sqrt{5}}$                       | $\frac{\sqrt{25-10\sqrt{5}}}{5}$           |
| 75°         | $\frac{5\pi}{12}$ | $\frac{\sqrt{6}+\sqrt{2}}{4}$                   | $\frac{\sqrt{6}-\sqrt{2}}{4}$                   | $2+\sqrt{3}$                               | $2-\sqrt{3}$                               |
| 81°         | $\frac{9\pi}{20}$ | $\frac{\sqrt{3+\sqrt{5}}+\sqrt{5-\sqrt{5}}}{4}$ | $\frac{\sqrt{3+\sqrt{5}}-\sqrt{5-\sqrt{5}}}{4}$ | $\frac{\sqrt{5}-1}{4-\sqrt{10+2\sqrt{5}}}$ | $\frac{4-\sqrt{10+2\sqrt{5}}}{\sqrt{5}-1}$ |
| <b>90°</b>  | $\frac{\pi}{2}$   | 1                                               | 0                                               | $\infty$                                   | 0                                          |
| <b>180°</b> | $\pi$             | 0                                               | -1                                              | 0                                          | $\infty$                                   |
| <b>270°</b> | $\frac{3\pi}{2}$  | -1                                              | 0                                               | $\infty$                                   | 0                                          |
| <b>360°</b> | $2\pi$            | 0                                               | 1                                               | 0                                          | $\infty$                                   |