**Goniometrické funkcie**



#### stupňová miera :  = (x.180) / 

(za x dosadíme číslo v radiánoch a dostaneme  v stupňoch)

#### oblúková miera : x = (.) / 180

(za  dosadíme uhol v stupňoch a dostaneme x v radiánoch)

|  |  |  |  |
| --- | --- | --- | --- |
| [**Stupne**](http://sk.wikipedia.org/wiki/Stupe%C5%88_%28uhol%29) | [**Radiány**](http://sk.wikipedia.org/wiki/Radi%C3%A1n) | [**Sínus**](http://sk.wikipedia.org/wiki/S%C3%ADnus) | [**Kosínus**](http://sk.wikipedia.org/wiki/Kos%C3%ADnus) |
| **0** | 0\, | 0\, | 1\, |
| **30** | \frac{\pi}{6} | \frac{1}{2} | \frac{\sqrt{3}}{2} |
| **45** | \frac{\pi}{4} | \frac{\sqrt{2}}{2} | \frac{\sqrt{2}}{2} |
| **60** | \frac{\pi}{3} | \frac{\sqrt{3}}{2} | \frac{1}{2} |
| **90** | \frac{\pi}{2} | 1\, | 0\, |
| **120** | \frac{2\pi}{3} | \frac{\sqrt{3}}{2} | -\frac{1}{2} |
| **135** | \frac{3\pi}{4} | \frac{\sqrt{2}}{2} | -\frac{\sqrt{2}}{2} |
| **150** | \frac{5\pi}{6} | \frac{1}{2} | \frac{-\sqrt{3}}{2} |
| **180** | \pi\, | 0\, | -1\, |
| **210** | \frac{7\pi}{6} | -\frac{1}{2} | -\frac{\sqrt{3}}{2} |
| **225** | \frac{5\pi}{4} | -\frac{\sqrt{2}}{2} | -\frac{\sqrt{2}}{2} |
| **240** | \frac{4\pi}{3} | -\frac{\sqrt{3}}{2} | -\frac{1}{2} |
| **270** | \frac{3\pi}{2} | -1\, | 0\, |
| **300** | \frac{5\pi}{3} | -\frac{\sqrt{3}}{2} | \frac{1}{2} |
| **315** | \frac{7\pi}{4} | -\frac{\sqrt{2}}{2} | \frac{\sqrt{2}}{2} |
| **330** | \frac{11\pi}{6} | -\frac{1}{2} | \frac{\sqrt{3}}{2} |