

$$\frac{\pi}{4} = \frac{\pi}{\sqrt{2}^4} = 0.7854$$

$$\frac{\pi\sqrt{2}}{4} = \frac{\pi}{\sqrt{2}^3} = 1.1107$$

$$\frac{\pi\sqrt{2}^2}{4} = \frac{\pi}{\sqrt{2}^2} = \frac{\pi}{2} = 1.5708$$

$$\frac{\pi\sqrt{2}^3}{4} = \frac{\pi}{\sqrt{2}} = 2.2214$$

$$\pi\sqrt{2} = 4.4429$$

$$\pi\sqrt{2}^2 = 2\pi = 6.283$$