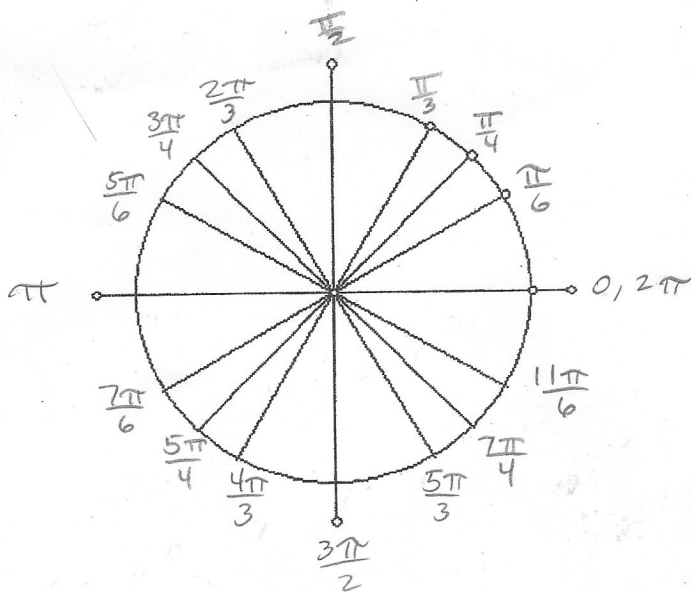


THE CHART



| m^R | m° | $\cos \theta$ | $\sin \theta$ | $\tan \theta$ | $\sec \theta$ | $\csc \theta$ | $\cot \theta$ |
|-----------|-----------|---------------|---------------|---------------|----------------|----------------|---------------|
| 0 | 0 | 1 | 0 | 0 | 1 | undef | undef |
| $\pi/6$ | 30° | $\sqrt{3}/2$ | 1/2 | $\sqrt{3}/3$ | $2\sqrt{3}/3$ | 2 | $\sqrt{3}$ |
| $\pi/4$ | 45° | $\sqrt{2}/2$ | $\sqrt{2}/2$ | 1 | $\sqrt{2}$ | $\sqrt{2}$ | 1 |
| $\pi/3$ | 60° | 1/2 | $\sqrt{3}/2$ | $\sqrt{3}$ | 2 | $2\sqrt{3}/3$ | $\sqrt{3}/3$ |
| $\pi/2$ | 90° | 0 | 1 | undef | undef | 1 | 0 |
| $2\pi/3$ | 120° | -1/2 | $\sqrt{3}/2$ | $-\sqrt{3}$ | -2 | $2\sqrt{3}/3$ | $-\sqrt{3}/3$ |
| $3\pi/4$ | 135° | $-\sqrt{2}/2$ | $\sqrt{2}/2$ | -1 | $-\sqrt{2}$ | $\sqrt{2}$ | -1 |
| $5\pi/6$ | 150° | $-\sqrt{3}/2$ | 1/2 | $-\sqrt{3}/3$ | $-2\sqrt{3}/3$ | 2 | $-\sqrt{3}$ |
| π | 180° | -1 | 0 | 0 | -1 | undef | undef |
| $7\pi/6$ | 210° | $-\sqrt{3}/2$ | -1/2 | $\sqrt{3}/3$ | $-2\sqrt{3}/3$ | -2 | $\sqrt{3}$ |
| $5\pi/4$ | 225° | $-\sqrt{2}/2$ | $-\sqrt{2}/2$ | 1 | $-\sqrt{2}$ | $-\sqrt{2}$ | 1 |
| $4\pi/3$ | 240° | -1/2 | $-\sqrt{3}/2$ | $\sqrt{3}$ | -2 | $-2\sqrt{3}/3$ | $\sqrt{3}/3$ |
| $3\pi/2$ | 270° | 0 | -1 | undef | undef | -1 | 0 |
| $5\pi/3$ | 300° | 1/2 | $-\sqrt{3}/2$ | $-\sqrt{3}$ | 2 | $-2\sqrt{3}/3$ | $-\sqrt{3}/3$ |
| $7\pi/4$ | 315° | $\sqrt{2}/2$ | $-\sqrt{2}/2$ | -1 | $\sqrt{2}$ | $-\sqrt{2}$ | -1 |
| $11\pi/6$ | 330° | $\sqrt{3}/2$ | -1/2 | $-\sqrt{3}/3$ | $2\sqrt{3}/3$ | -2 | $-\sqrt{3}$ |