

Handout # 5.2

Trigonometric Chart:

| Angle | $-\frac{\pi}{2}-0$ | $-\frac{\pi}{2}+0$ | $-0+0$ | $\frac{\pi}{6}$ | $\frac{\pi}{4}$ | $\frac{\pi}{3}$ | $\frac{\pi}{2}-0$ | $\frac{\pi}{2}+0$ | $\pi-0$ | $\pi+0$ |
|----------|--------------------|--------------------|-----------|----------------------|----------------------|----------------------|-------------------|-------------------|-----------|-----------|
| Function | | | | | | | | | | |
| sin | -1 | -1 | -0 | $\frac{1}{2}$ | $\frac{1}{\sqrt{2}}$ | $\frac{\sqrt{3}}{2}$ | 1 | 1 | +0 | -0 |
| cos | -0 | +0 | 1 | $\frac{\sqrt{3}}{2}$ | $\frac{1}{\sqrt{2}}$ | $\frac{1}{2}$ | +0 | -0 | -1 | -1 |
| tan | $+\infty$ | $-\infty$ | -0 | $\frac{1}{\sqrt{3}}$ | 1 | $\sqrt{3}$ | $+\infty$ | $-\infty$ | -0 | +0 |
| cot | +0 | -0 | $-\infty$ | $\sqrt{3}$ | 1 | $\frac{1}{\sqrt{3}}$ | +0 | -0 | $-\infty$ | $+\infty$ |

Unit Circle

