I) Evaluating Trigonmetric Functions

1) $\tan -\frac{5\pi}{4}$

2) $\tan \frac{7\pi}{6}$

3) $\sec \frac{\pi}{3}$

4) $\tan -\frac{\pi}{6}$

5) $\cot -\frac{7\pi}{6}$

6) $\cos -\frac{\pi}{4}$

7) $\cos \frac{\pi}{3}$

8) $\cos 675°$

9) $\csc -\frac{5\pi}{2}$

10) $\sin 990°$

11) $\sec -1050°$

12) $\cos \frac{13\pi}{4}$

13) $\cos -180°$

14) $\sec \frac{16\pi}{3}$

II) Evaluating Inverse Trigonmetric Functions

1. $\sin^{-1}\left(\frac{1}{2}\right)$

2. $\cos^{-1}\left(\frac{1}{2}\right)$

3. $\tan^{-1}\left(\frac{\sqrt{3}}{3}\right)$

4. $\arccos\left(\frac{\sqrt{3}}{2}\right)$

5. $\arcsin\left(\frac{\sqrt{2}}{2}\right)$

6. $\arctan(1)$

7. $\arcsin^{-1}\left(-\frac{1}{2}\right)$

8. $\arccos\left(-\frac{1}{2}\right)$

9. $\arctan\left(-\frac{\sqrt{3}}{3}\right)$

10. $\cos^{-1}\left(-\frac{\sqrt{3}}{2}\right)$

11. $\sin^{-1}\left(-\frac{\sqrt{2}}{2}\right)$

12. $\tan^{-1}(-1)$

III) Solve each equation

1) Find x when $0 \leq x \leq 2\pi$: $2(\cos x + 1) = 1$

2) Find x when $0 \leq x \leq 2\pi$: $4 \sin^2 x - 1 = 0$

3) Find θ if $0^\circ \leq \theta \leq 360^\circ$: $5 \sin^2 x - 4 \sin x - 1 = 0$

IV) Graph each trigonometric function

1) $y = \sin 3\theta$ 2) $y = \frac{1}{2}\tan\frac{\theta}{3}$ 3) $y = \frac{1}{2}\sec\theta$ 4) $y = 2\cos 4\theta$ 5) $y = 2\csc 2\theta$