F&T Practice Quiz Unit Circle NO CALCULATOR! Name _____

I. Give the exact values of the following. Think Unit Circle!

1. $\cos -90^0$ = _____	2. $\sin 135^0$ = _____	3. $\tan 90^0$ = _____
4. $\cos 150^0$ = _____	5. $\sin 225^0$ = _____	6. $\tan 120^0$ = _____
7. $\cos 5\pi/4$ = _____	8. $\sin 5\pi/6$ = _____	9. $\tan \pi/4$ = _____
10. $\cos 2\pi/3$ = _____	11. $\sin 5\pi/3$ = _____	12. $\tan 5\pi/3$ = _____

II. Find 2 values for θ for $0 < \theta < 2\pi$.

1. $\cos \theta = -\frac{\sqrt{2}}{2}$	2. $\sin \theta = \frac{1}{2}$	3. $\tan \theta = \frac{\sqrt{3}}{3}$
θ = _____ , _____	θ = _____ , _____	θ = _____ , _____

III. Use the trigonometric properties to evaluate the following.

1.) Given $\cos\theta = 0.44$ and $0 < \theta < 90°$, find

a.) $\cos(180° - \theta)$ = _____ b.) $\sin(90° - \theta)$ = _____

c.) $\cos(180° + \theta)$ = _____ d.) $\cos(-\theta)$ = _____

2.) Given $\tan\theta = 6$ and $0 < \theta < 90°$, find

a.) $\tan(\theta + 180°)$ = _____ b.) $\tan(-\theta)$ = _____

c.) $\tan(180° - \theta)$ = _____