Name _____
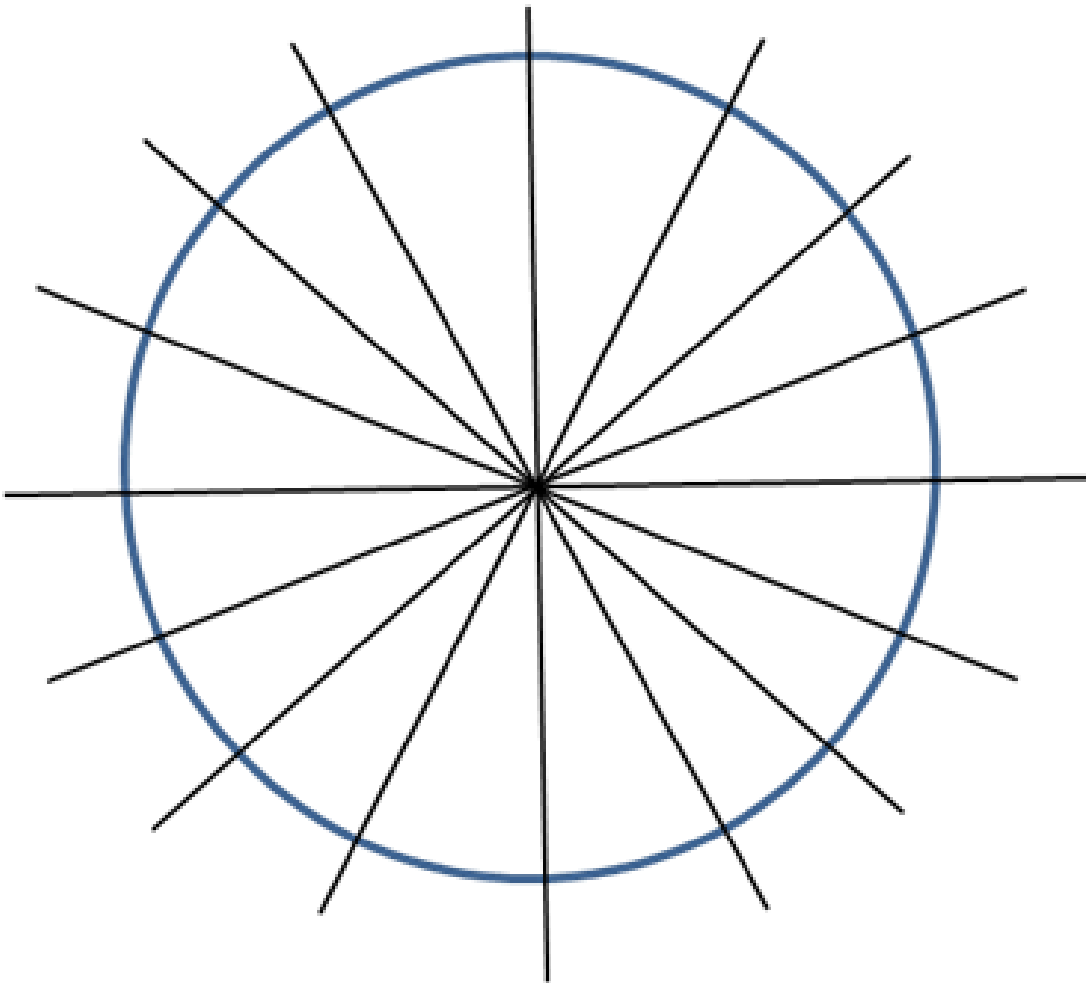
I. Complete the unit circle …
… using NO notes, resources, or calculator!!

II. Find each exact trig value. No Calculator!!

1. $\sin \dfrac{\pi}{4}$

2. $\cos \dfrac{\pi}{4}$

3. $\tan \dfrac{\pi}{4}$

4. $\cos 210°$

5. $\sin 300°$

6. $\tan 330°$

7. $\sin \dfrac{3\pi}{4}$

8. $\cos \dfrac{2\pi}{3}$

9. $\tan \dfrac{7\pi}{6}$

10. $\sin 90°$

11. $\csc 270°$

12. $\sec \dfrac{4\pi}{3}$

13. $\cot \dfrac{3\pi}{2}$

14. $\sec(-240°)$

15. $\csc\left(-\dfrac{\pi}{6}\right)$

16. $\cot 135°$

III. Evaluate. No calculator!!

17. $\sin 30° - \cos 120°$

18. $\sin 240° \cos 330°$

19. $\tan 180° + \sec 330°$

20. $\cos \dfrac{3\pi}{2} + \cos\left(-\dfrac{5\pi}{6}\right)$

21. $\sin\left(-\dfrac{\pi}{6}\right)\cos\left(-\dfrac{2\pi}{3}\right)$

22. $\cos(-90°) + \tan 180°$

23. $(\cos 180°)(\tan 60°)$

24. $(\sec 210°)(\csc 150°)$

25. $(\cot 30°)(\sin 270°)$