NICE TEST GRADES!

Homework:

WS 6.1: 21 - 33 on separate sheet

Thursday Quiz No Calc

Friday GHW#10 Due

Dec 3-8:20 AM

Ditto 6.1 #1-20

1. -1 2. 0 3. 0 4. 0 5. 0

6. 0 7. 0 8. 1 9. 0 10. 0

11. $\sin t = \frac{\sqrt{5}}{5}$ $\cos t = -\frac{2\sqrt{5}}{5}$ $\tan t = -\frac{1}{2}$

12. $\sin t = -\frac{3\sqrt{10}}{10}$ $\cos t = \frac{\sqrt{10}}{10}$ $\tan t = -3$

13. $\sin t = -\frac{4}{5}$ $\cos t = -\frac{3}{5}$ $\tan t = \frac{4}{3}$

14. sin t = -0.8 cos t = 0.6 tan t = -4/3

15. $\sin t = \frac{7\sqrt{53}}{53}$ $\cos t = \frac{2\sqrt{53}}{53}$ $\tan t = \frac{7}{2}$

16. $\sin t = \frac{2\sqrt{13}}{13}$ $\cos t = -\frac{3\sqrt{13}}{13}$ $\tan t = -\frac{2}{3}$

17. $\sin t = -\frac{6\sqrt{61}}{61}$ $\cos t = -\frac{5\sqrt{61}}{61}$ $\tan t = \frac{6}{5}$

18. $\sin t = -\frac{3}{5}$ $\cos t = \frac{4}{5}$ $\tan t = -\frac{3}{4}$

19. $\sin t = -\frac{10\sqrt{103}}{103}$ $\cos t = \frac{\sqrt{309}}{103}$ $\tan t = -\frac{10\sqrt{3}}{3}$

20. $\sin t = \frac{2\sqrt{\pi^2+4}}{\pi^2+4}$ $\cos t = -\frac{\pi\sqrt{\pi^2+4}}{\pi^2+4}$ $\tan t = -\frac{2}{\pi}$

Dec 4-2:01 PM

20) $(-\pi, 2)$
$(-, +)$

$r = \sqrt{(-\pi)^2 + 2^2} = \sqrt{\pi^2+4} \neq \pi+2$

$\sqrt{a^2+b^2} \neq a+b$

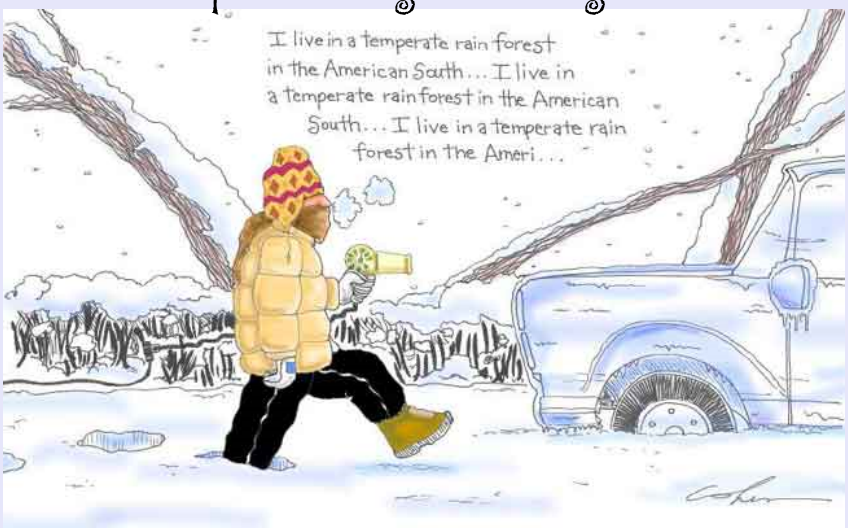
$\sqrt{a^2b^2} = ab$

$\sin t = \frac{2}{\sqrt{\pi^2+4}} \cdot \frac{\sqrt{\ }}{\sqrt{\ }} = \frac{2\sqrt{\pi^2+4}}{\pi^2+4}$

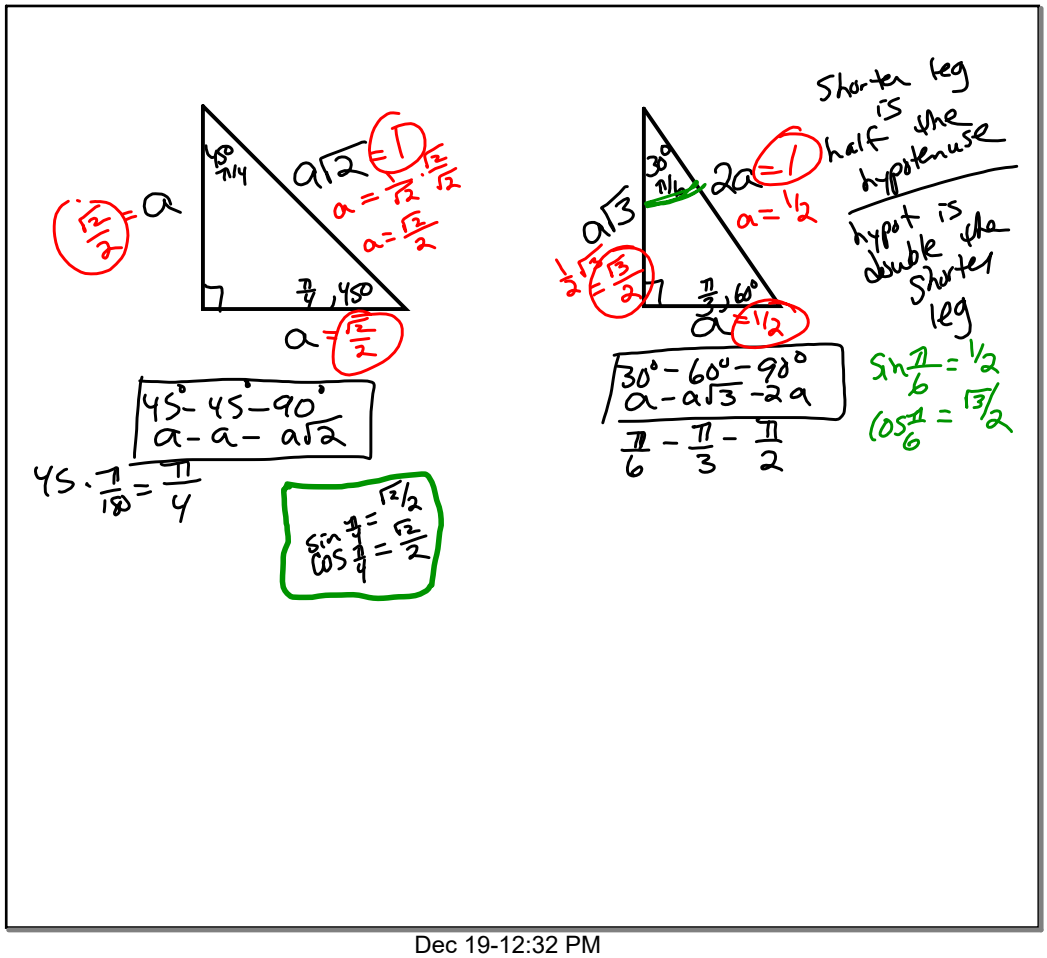
$\cos t = \frac{-\pi}{\sqrt{\pi^2+4}} \cdot \frac{\sqrt{\ }}{\sqrt{\ }} = \frac{-\pi\sqrt{\pi^2+4}}{\pi^2+4}$

$\tan t = \frac{2}{-\pi}$

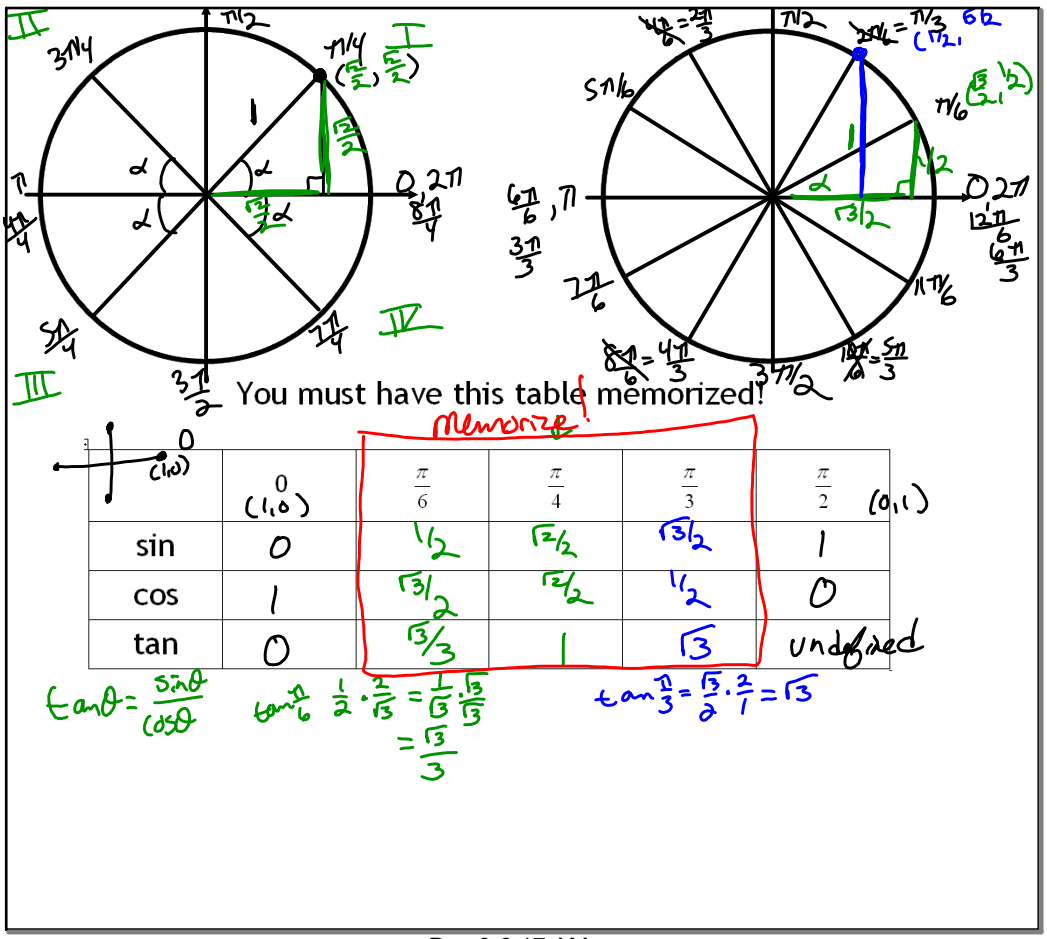
Special Right Triangles



Dec 3-8:15 AM



Dec 19-12:32 PM



Dec 3-8:17 AM

Determine the EXACT value → No Decimals, No Calculators

1ST – Find the reference angle

2nd – Use your circle to find the quadrant

3rd – Write the ratio in simplified radical form with the correct + or – sign

1. $\sin\frac{11\pi}{6}$

2. $\cos\frac{4\pi}{3}$

3. $\sin\left(-\frac{7\pi}{6}\right)$

4. $\tan\frac{5\pi}{6}$

5. $\sin\frac{3\pi}{4}$

6. $\cos\left(-\frac{2\pi}{3}\right)$

7. $\tan\left(-\frac{5\pi}{4}\right)$

Dec 3-8:18 AM

Substitute the values & simplify → No decimals, No calculators

1. $\cos\frac{\pi}{2}\cos\frac{\pi}{4}-\sin\frac{\pi}{2}\sin\frac{\pi}{4}$

2. $\sin\frac{4\pi}{3}\cos\frac{5\pi}{6}-\cos\frac{4\pi}{3}\sin\frac{5\pi}{6}$

Dec 3-8:19 AM

Homework:

WS 6.1: 21 - 33

Thursday Quiz No Calc

Dec 3-8:20 AM

Jan 2-7:37 PM