

Algebra 2

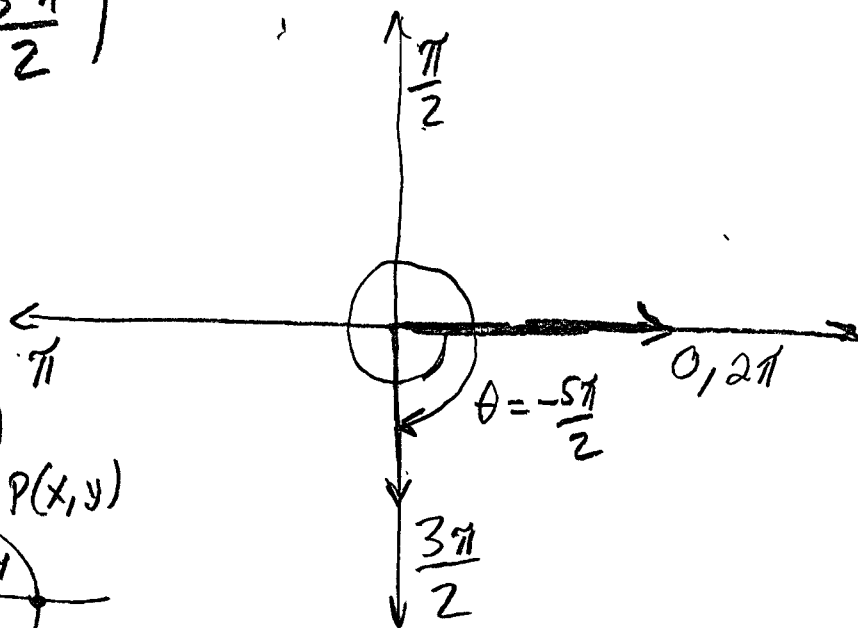
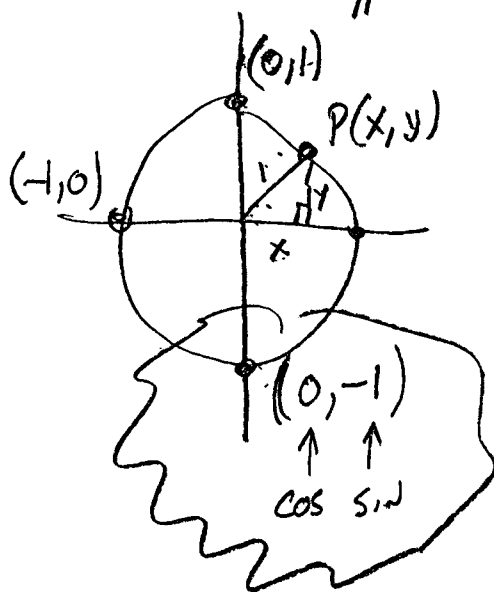
Monday 12-3-12

Class Notes

5
ID1

$$\sec\left(-\frac{5\pi}{2}\right)$$

$$\uparrow$$
$$\frac{1}{\cos}$$

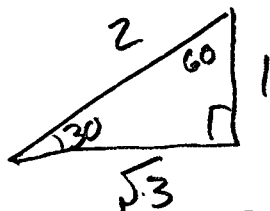


$$\sec\left(-\frac{5\pi}{2}\right) = 0$$

$$\sec\left(-\frac{5\pi}{2}\right) = \text{UNDEF}$$

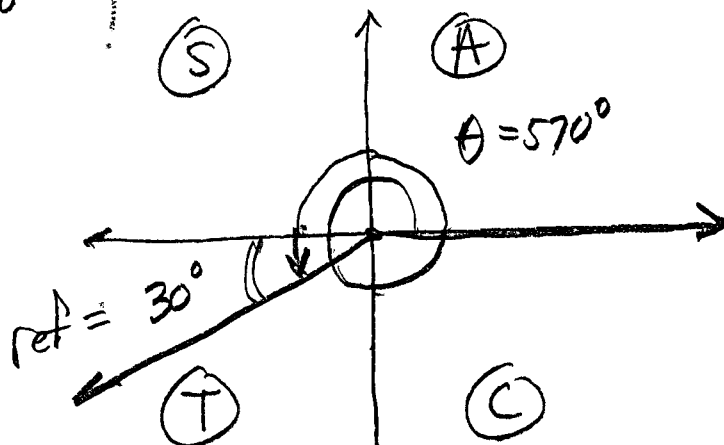
③ $\cot 570^\circ$
ID1

$\frac{1}{\tan}$



Recip	
SIN	csc
COS	sec
TAN	cot

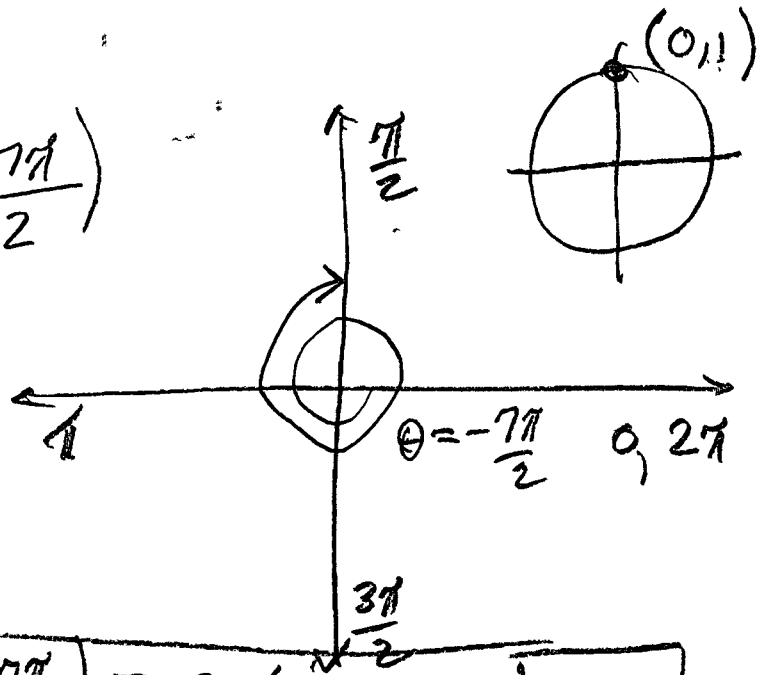
⑤



$$\tan 570 = \tan 30 = \frac{1}{\sqrt{3}}$$

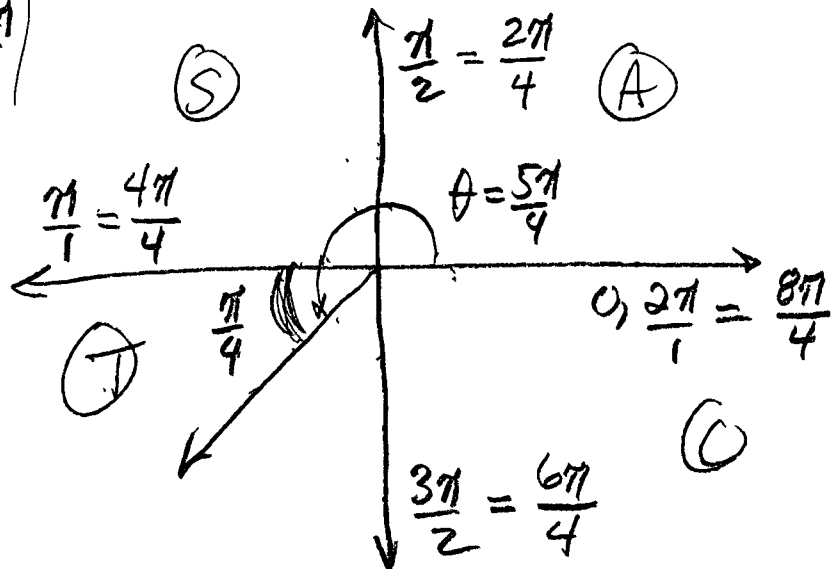
$$\cot 30 = \frac{\sqrt{3}}{1} = \sqrt{3} = \cot 570$$

④
ID2 $\sin\left(-\frac{7\pi}{2}\right)$



$$\sin\left(-\frac{7\pi}{2}\right) = \sin\left(\frac{\pi}{2}\right) = 1$$

⑤
ID2 $\tan\left(\frac{5\pi}{4}\right)$

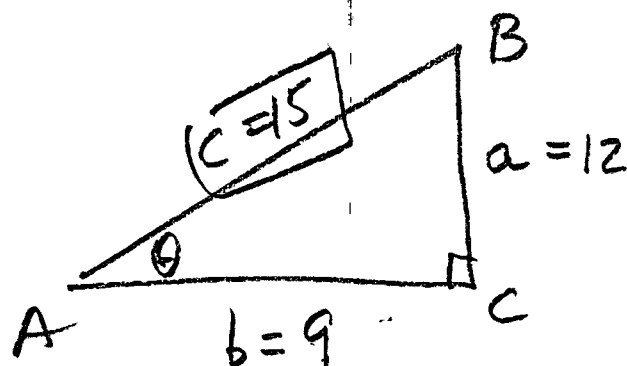


$$\tan\left(\frac{5\pi}{4}\right) = \tan\left(\frac{\pi}{4}\right) = 1$$

⑬
ID2

$$\cos A \quad a=12 \quad b=9$$

SOH (CAH) TOA



$$c^2 = 12^2 + 9^2$$

$$c^2 = 144 + 81 = 225$$

$$c = 15$$

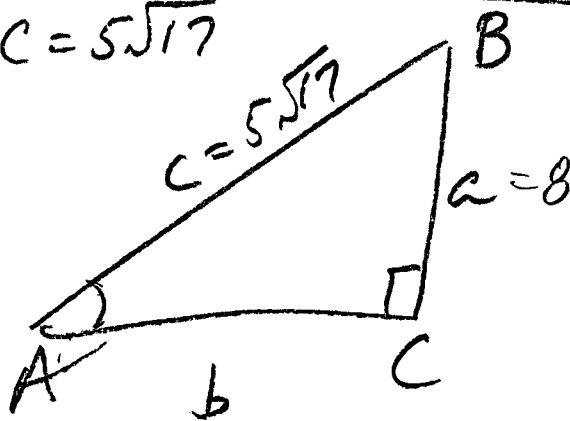
$$\therefore \cos A = \frac{9}{15} = \frac{3}{5}$$

⑭
ID1

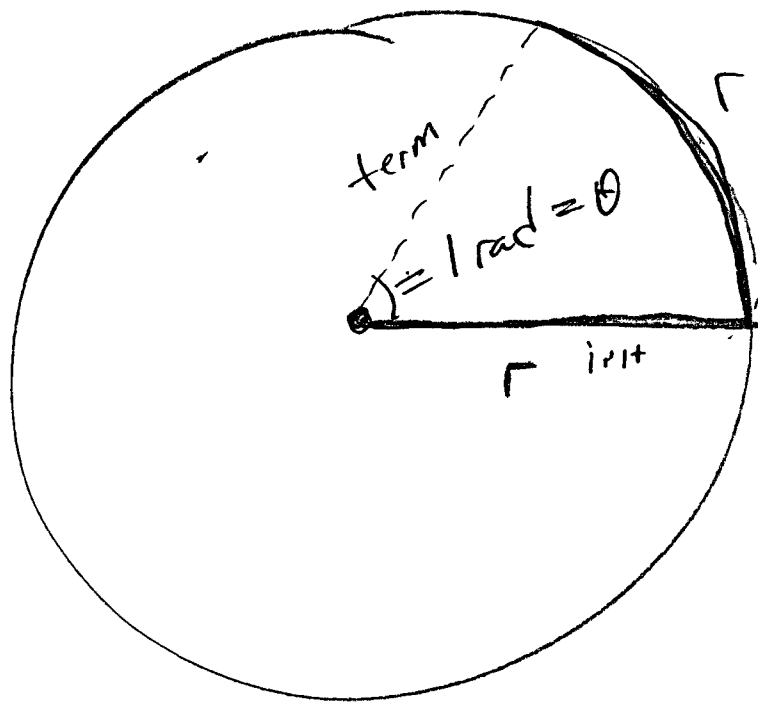
$$\sin A = \frac{a}{c} = \frac{8}{5\sqrt{17}}$$

$$\sin A = \frac{8}{5\sqrt{17}} \cdot \frac{\sqrt{17}}{\sqrt{17}}$$

$$= \frac{8\sqrt{17}}{85}$$



$$C = 2\pi r$$



$$\frac{2\pi \text{ rad}}{360 \text{ deg}}$$

"

$$\frac{\pi \text{ rad}}{180 \text{ deg}}$$

① DEFINITION OF
RADIAN