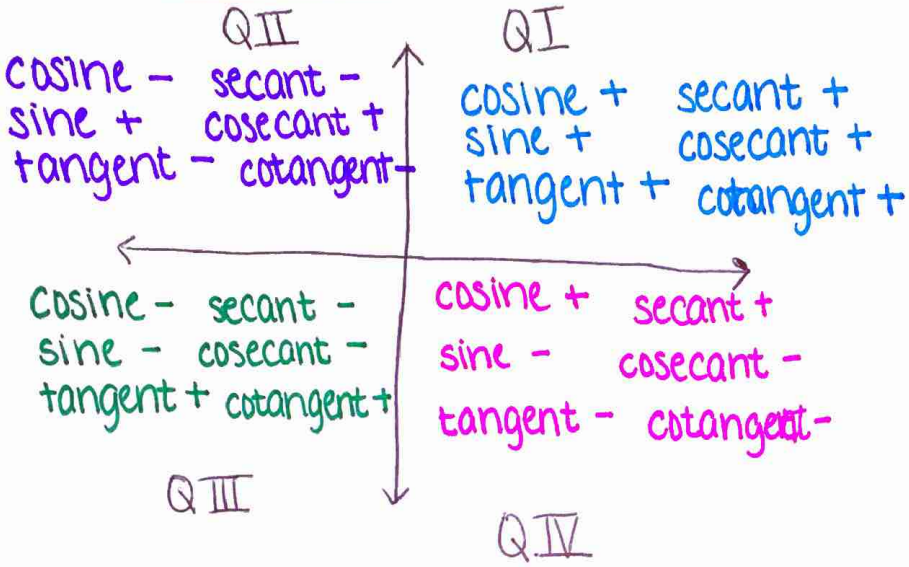
12|4 Notes

PC

given 1 trig function & position, find them all

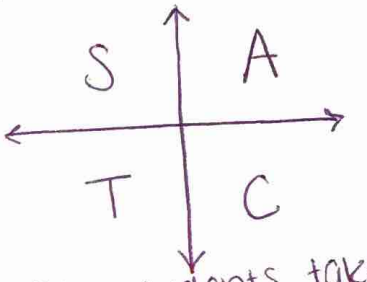
helpful to know



sine → y-values

cosine → x-values

what's positive?

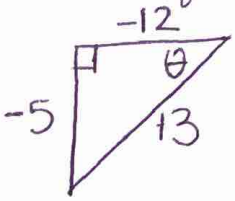


"All students take calculus"

ex $\tan\theta = 5/12$ $\sin\theta < 0$

what quadrant is $\tan\theta$ + & $\sin\theta$ −

QIII



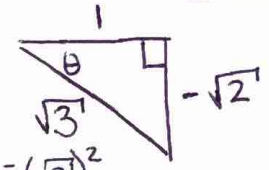
then find the other 5 functions

ex $\sec\theta = \sqrt{3}$ $\tan\theta < 0$

what quad. is $\sec\theta$ & $\cos\theta$ + but $\tan\theta$ −

$\cos\theta = \frac{1}{\sqrt{3}}$

Q IV



now find the other 5 functions.

$1^2 + x^2 = (\sqrt{3})^2$

$1 + x^2 = 3$

$x^2 = 2$

$x = \sqrt{2}$