14. $\sin\theta = \frac{-\sqrt{2}}{2}$

"y"

$\theta = \frac{5\pi}{4}, \frac{7\pi}{4}$

15. $2\cos\theta + 1 = 0$

$2\cos\theta = -1$

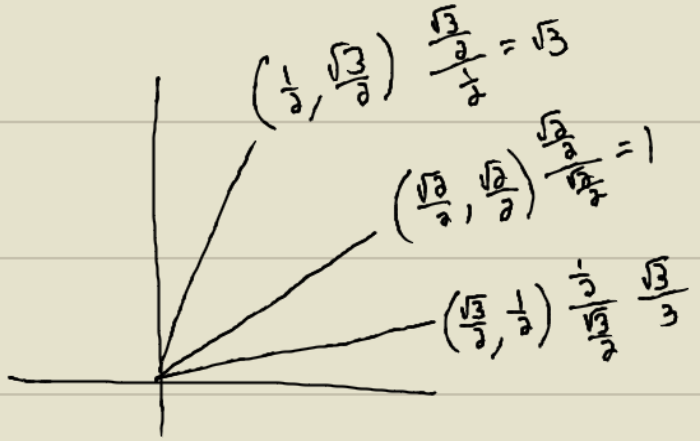
"x" $\cos\theta = -\frac{1}{2}$

$\theta = \frac{2\pi}{3}, \frac{4\pi}{3}$

16. $\tan\theta = -1$

$\theta = \frac{3\pi}{4}, \frac{7\pi}{4}$

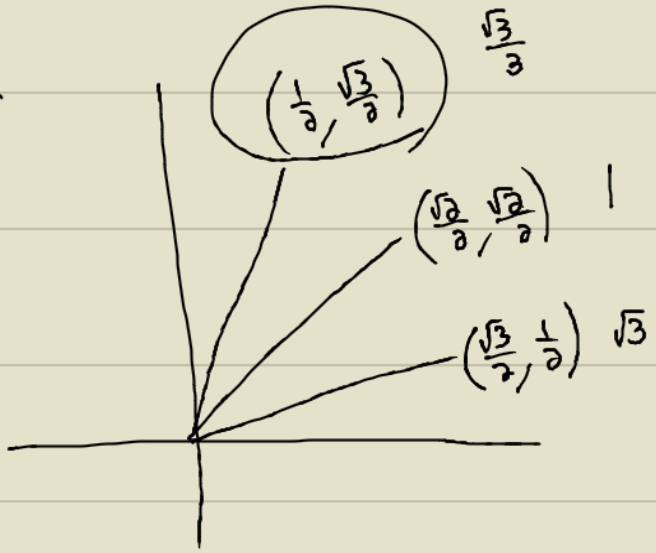
TAN is $\frac{y}{x}$



17. $\cot\theta = \frac{\sqrt{3}}{3}$

$\theta = \frac{\pi}{3}, \frac{4\pi}{3}$

COT is $\frac{x}{y}$



18. $2\cos^2\theta = 1$

$\cos^2\theta = \frac{1}{2}$

$\cos\theta = \pm\sqrt{\frac{1}{2}}$

$\cos\theta = \pm\frac{\sqrt{1}}{\sqrt{2}}$

$\cos\theta = \pm\frac{1}{\sqrt{2}}$

"x" $\cos\theta = \pm\frac{\sqrt{2}}{2}$

$\theta = \frac{\pi}{4}, \frac{3\pi}{4}, \frac{5\pi}{4}, \frac{7\pi}{4}$