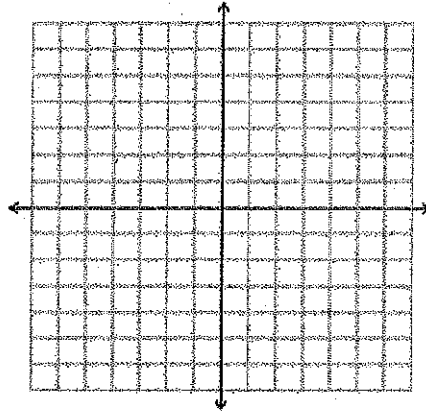


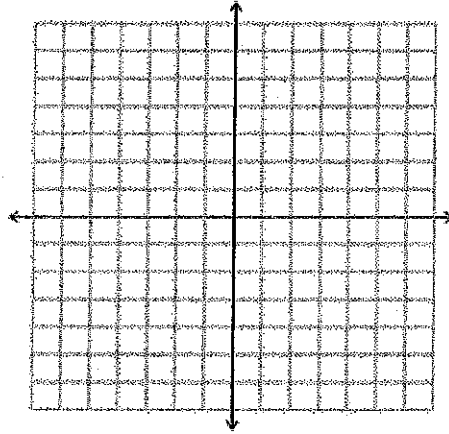
Using inverse functions.

1. Find two angles in radians between 0 and 2π that satisfy $\tan\theta = 1$.
 2. Find two degree values between 0° and 360° that satisfy $\tan\theta = -2.9577$.
 3. Find two degree values between 0° and 360° that satisfy $\cos\theta = 0.4537$.
 4. Find two angles in radians between 0 and 2π that satisfy $\sin\theta = -\frac{\sqrt{2}}{2}$.
 5. Find two degree values between 0° and 360° that satisfy $\sin\theta = \bar{6}$.
 6. Find two angles in radians between 0 and 2π that satisfy $\cos\theta = 0.989$.
 7. Evaluate $\arctan(-1)$ with two angles between 0 and 2π .
 8. Evaluate $\sin^{-1}(\bar{6})$ with two angles between 0° and 360° .
 9. Evaluate $\arccos(0.55536)$ with two angles between 0° and 360° . Convert your answer to radians.
- Why aren't there two angles θ_1 and θ_2 between 0 and 2π such that $\arcsin(1) = \theta_1$ and $\arcsin(1) = \theta_2$

Sketch the Graph of $y = \arcsin x$



Sketch the Graph of $y = \arccos x$.



Sketch the Graph of $y = \tan^{-1} x$.

