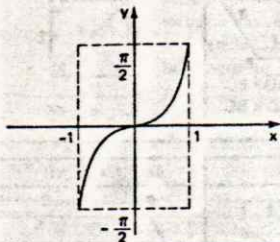
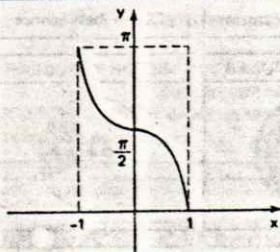


$$y = \arcsin x$$



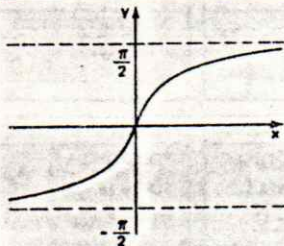
1. Domínio: $\{x \in \mathbb{R} \mid -1 \leq x \leq 1\}$
2. Imagem: $\{y \in \mathbb{R} \mid -\frac{\pi}{2} \leq y \leq \frac{\pi}{2}\}$
3. $\sin(\arcsin x) = x$
4. $\arcsin(\sin x) = x$

$$y = \arccos x$$



1. Domínio: $\{x \in \mathbb{R} \mid -1 \leq x \leq 1\}$
2. Imagem: $\{y \in \mathbb{R} \mid 0 \leq y \leq \pi\}$
3. $\cos(\arccos x) = x$
4. $\arccos(\cos x) = x$

$$y = \operatorname{arctg} x$$



1. Domínio: $\mathbb{R}$
2. Imagem: $\{y \in \mathbb{R} \mid -\frac{\pi}{2} < y < \frac{\pi}{2}\}$
3. $\operatorname{tg}(\operatorname{arctg} x) = x$
4. $\operatorname{arctg}(\operatorname{tg} x) = x$