

## Základní funkce a k nim inverzní

>

> **restart:**

**with(plots):**

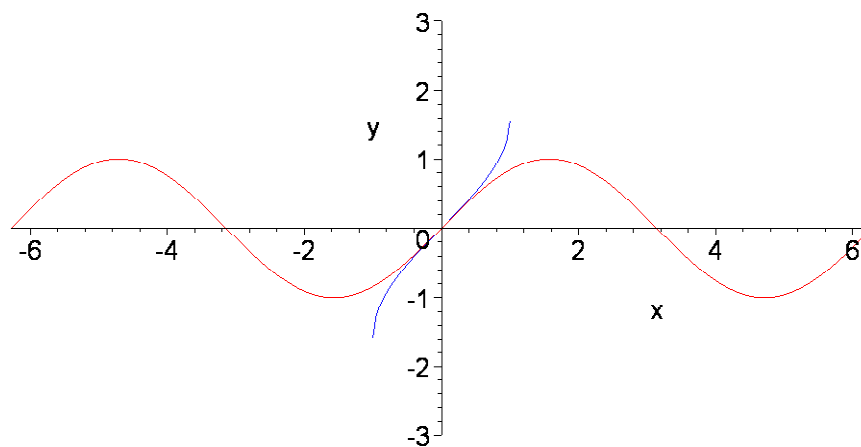
**setoptions(scaling=constrained):**

> **p1:=plot(sin(x),x=-2\*Pi..2\*Pi,y=-1..1):**

**p2:=plot(arcsin(x),x=-1..1,y=-3..3,color=blue):**

**display({p1,p2},title='Sinus\_a\_Arcussinus');**

Sinus\_a\_Arcussinus

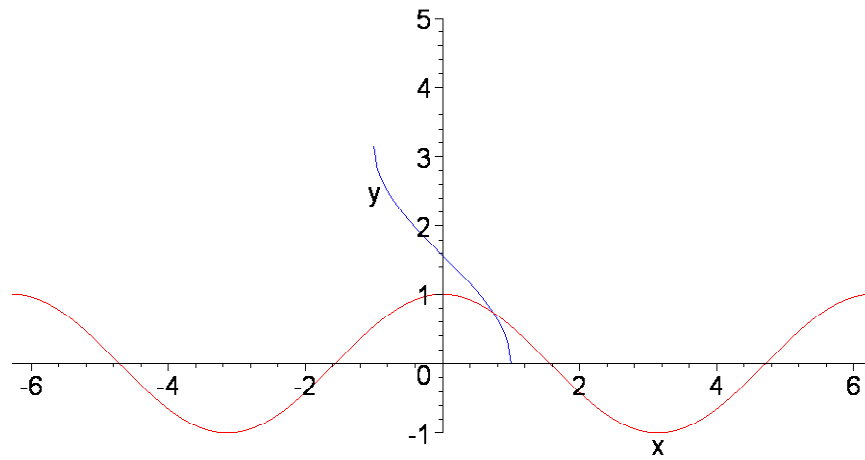


> **p1:=plot(cos(x),x=-2\*Pi..2\*Pi,y=-1..5):**

**p2:=plot(arccos(x),x=-1..1,y=-1..5,color=blue):**

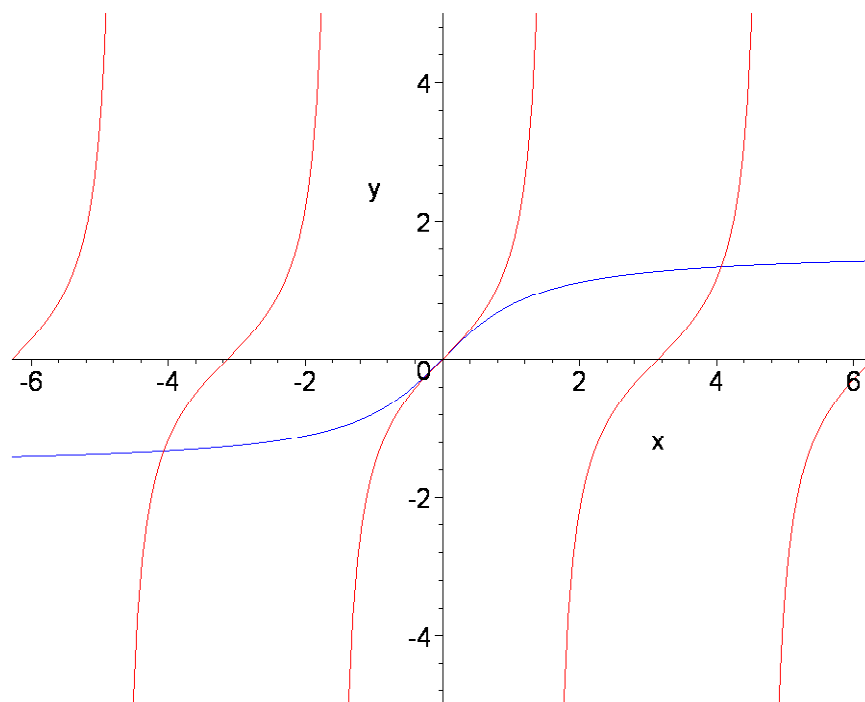
**display({p1,p2},title='Cosinus\_a\_Arcuscosinus');**

### Cosinus\_a\_Arcuscosinus



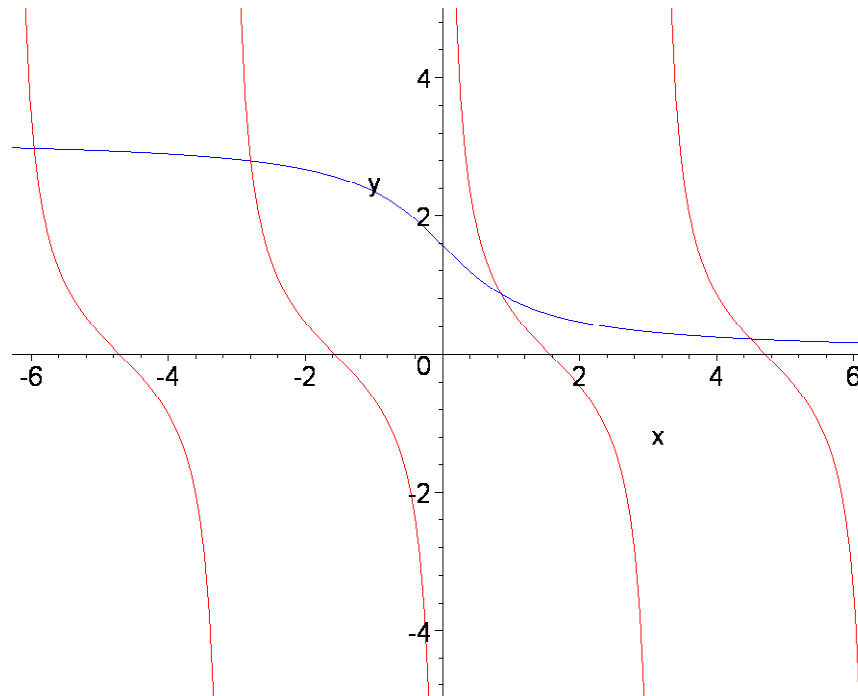
```
> p1:=plot(tan(x),x=-2*Pi...2*Pi,y=-5..5,discont=true):  
p2:=plot(arctan(x),x=-2*Pi...2*Pi,y=-5..5,color=blue):  
display({p1,p2},title='Tangents_a_Arcustangents');
```

### Tangents\_a\_Arcustangents



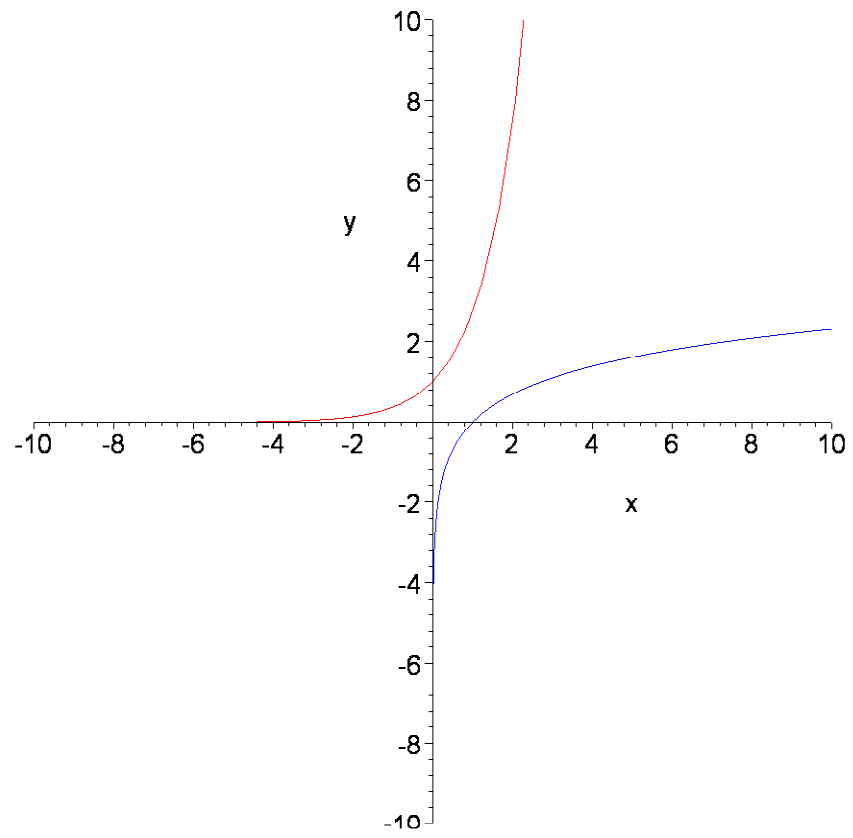
```
> p1:=plot(cot(x),x=-2*Pi...2*Pi,y=-5..5,discont=true):  
p2:=plot(arccot(x),x=-2*Pi...2*Pi,y=-5..5,color=blue):  
display({p1,p2},title='Cotangents_a_Arcuscotangents');
```

Cotangents\_a\_Arcuscotangents



```
>  
> p1:=plot(exp(x),x=-10..10,y=-10..10):  
p2:=plot(ln(x),x=-10..10,y=-10..10,color=blue,discont=true):  
display({p1,p2},title='Exponenciela_a_Logaritmus');
```

Exponenciela\_a\_Logaritmus



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