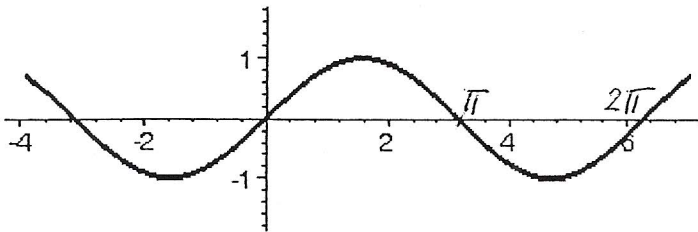
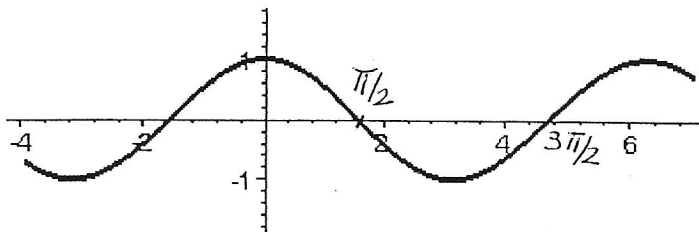
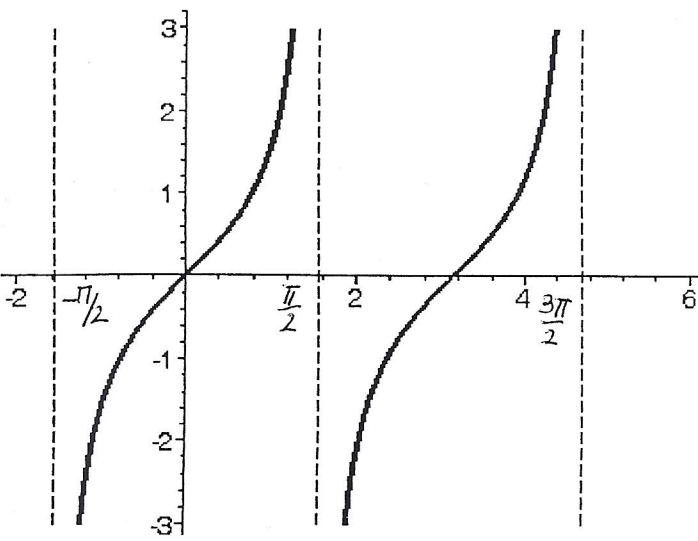
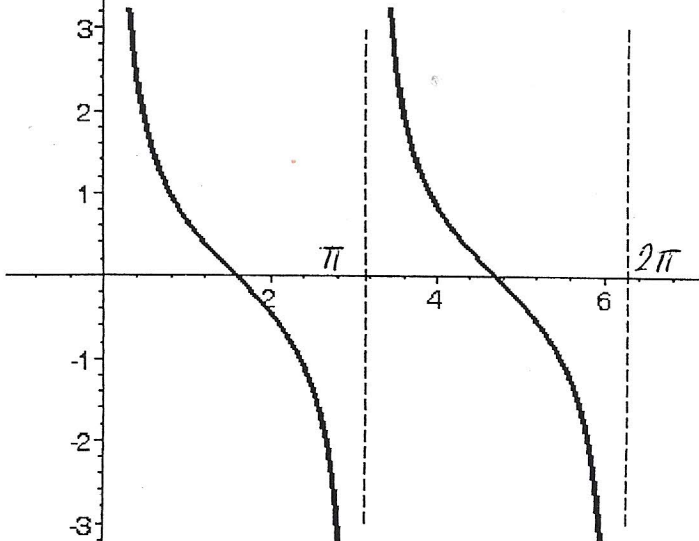


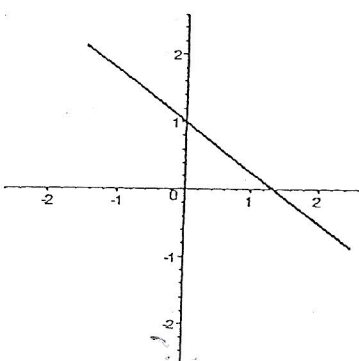
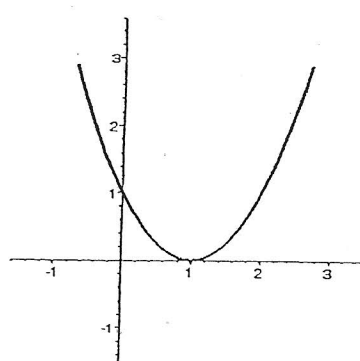
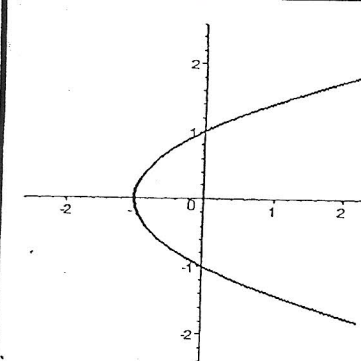
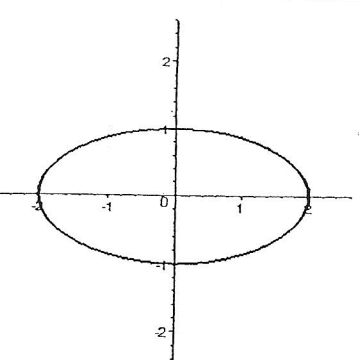
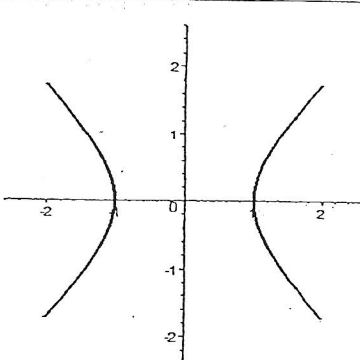
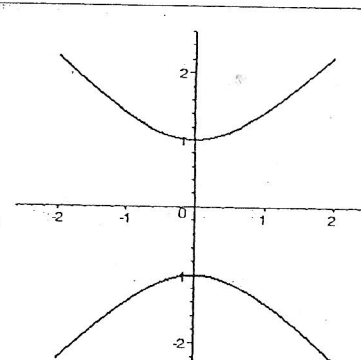
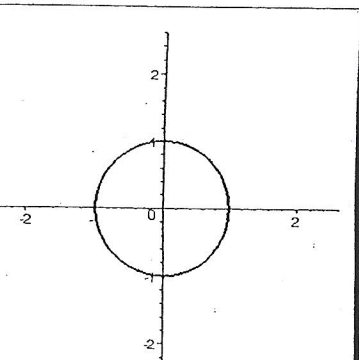
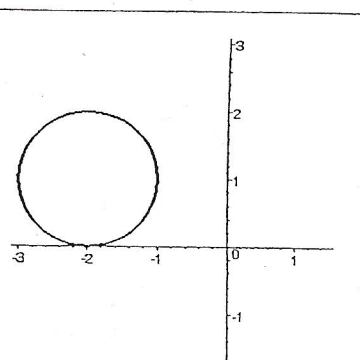
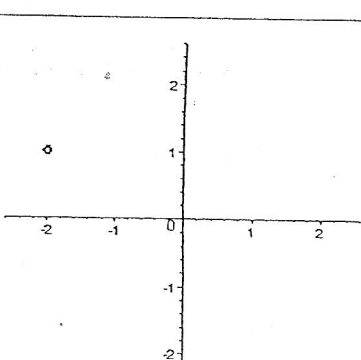
# Goniometrické funkce

sinus	kosinus
	
$y = \sin x$	$y = \cos x$
tangens	kotangens
	
$y = \operatorname{tg} x$	$y = \operatorname{cotg} x$

Tvar rovnice přímky v rovině

- obecný  $ax + by + c = 0$ ;  $n = (a, b)$  je normálový (kolmý) vektor k přímce  
 směnicový  $y = kx + q$ ;  $k$  je směrnice,  $q$  je úsek na ose  $y$  vyřazený přímkou  
 nebo  $y - y_0 = k(x - x_0)$ ;  $k$  je směrnice,  $M = [x_0, y_0]$  je bod přímky  
 úsekový  $\frac{x}{p} + \frac{y}{q} = 1$ , kde  $p \neq 0, q \neq 0$  jsou úseky na osách  $x, y$   
 parametrický  $X = A + tu, t \in \mathbb{R}$ ;  $A = [a_1, a_2]$  je bod,  $u = (u_1, u_2)$  je směrový vektor

Kuželosečky:  $Ax^2 + By^2 + Cx + Dy + E = 0$

přímka 	parabola 	parabola 
$3x + 4y - 4 = 0$	$x^2 - 2x - y + 1 = 0$	$x - y^2 + 1 = 0$
elipsa 	hyperbola 	hyperbola 
$x^2 + 4y^2 - 4 = 0$	$x^2 - y^2 - 1 = 0$	$-x^2 + y^2 - 1 = 0$
kružnice 	posunutá kružnice 	bod 
$x^2 + y^2 - 1 = 0$	$x^2 + y^2 + 4x - 2y + 4 = 0$	$x^2 + y^2 + 4x - 2y + 5 = 0$