

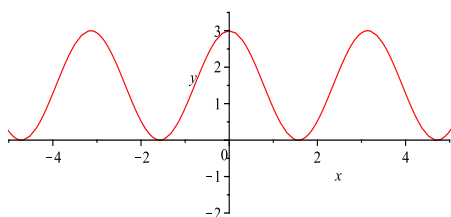
Funkce

Vlastnosti funkcí

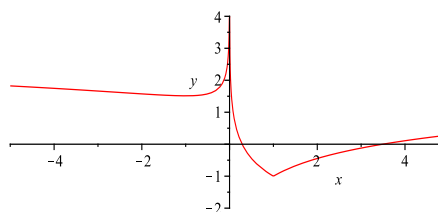
příklady na procvičení



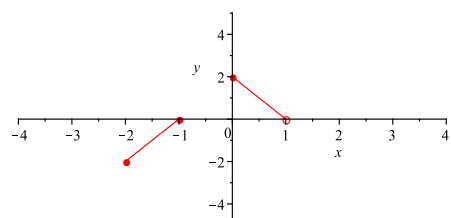
Příklad 1: Rozhodněte, zda se jedná o graf prosté funkce



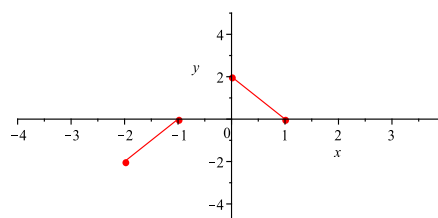
a)



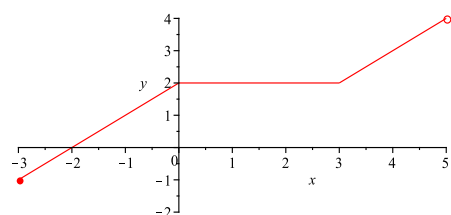
d)



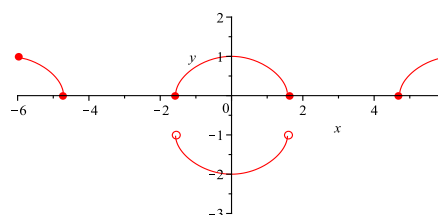
b)



e)

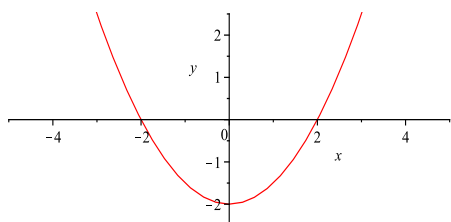


c)

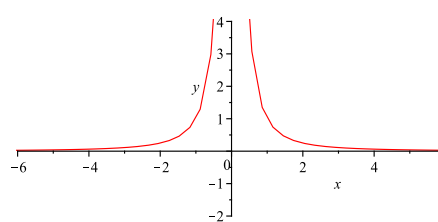


f)

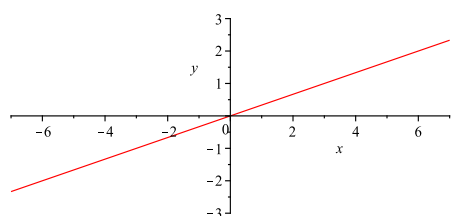
Příklad 2: Rozhodněte, je-li na obrázku znázorněna sudá funkce, lichá funkce nebo funkce, která není ani sudá ani lichá



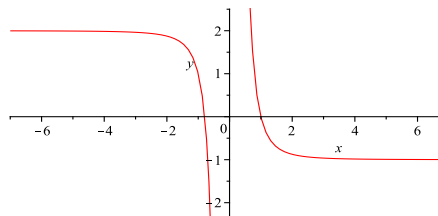
a)



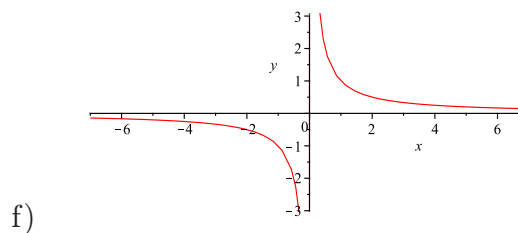
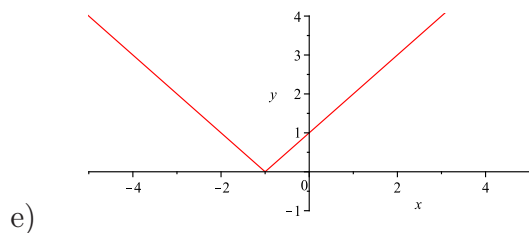
c)



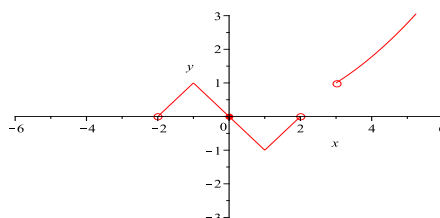
b)



d)



Příklad 3: Doplňte graf funkce, tak aby byla a) sudá, b) lichá



Příklad 4: Rozhodněte, je-li funkce zadaná tabulkou prostá

a)

x	0	1	3	5
y	0	0	2	1

c)

x	-2	-1	0	6
y	2	-2	3	0

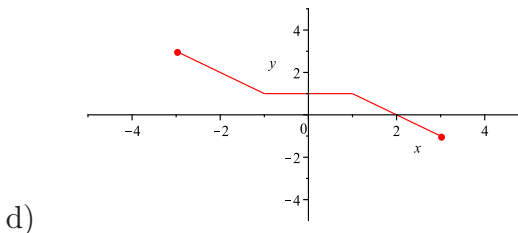
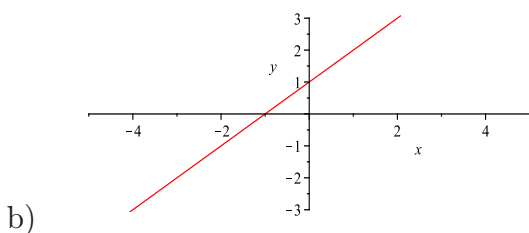
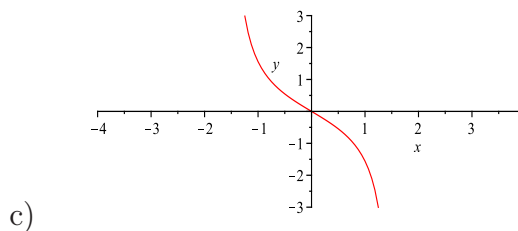
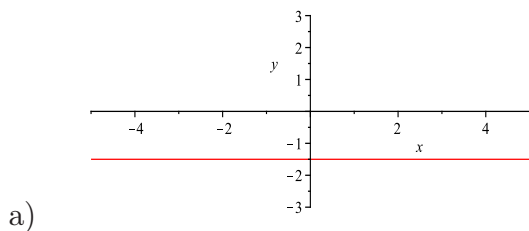
b)

x	3	5	6	-1
y	0	-1	-2	-1

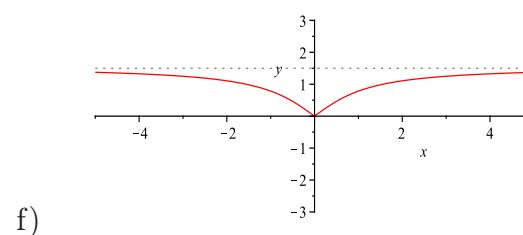
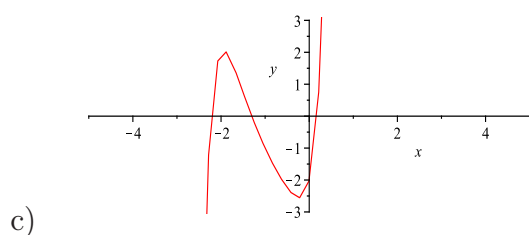
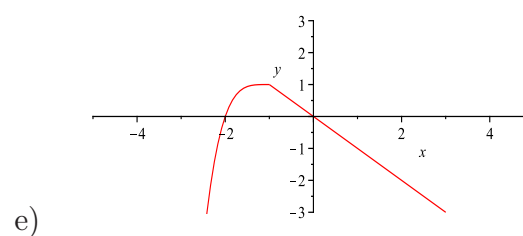
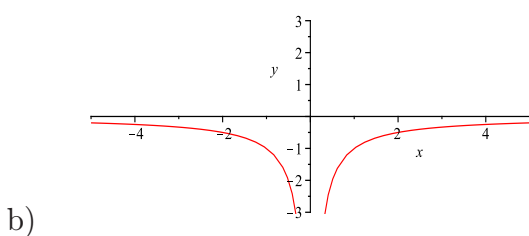
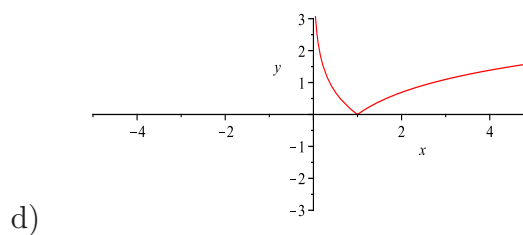
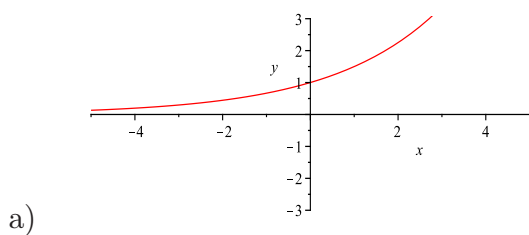
d)

x	-3	-2	0	1
y	0	1	2	3

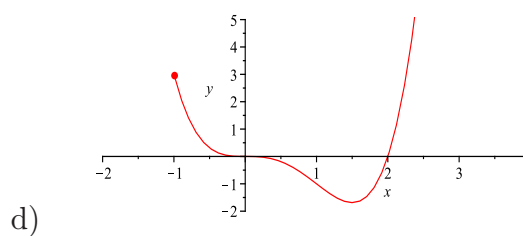
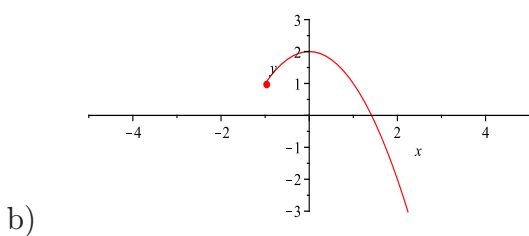
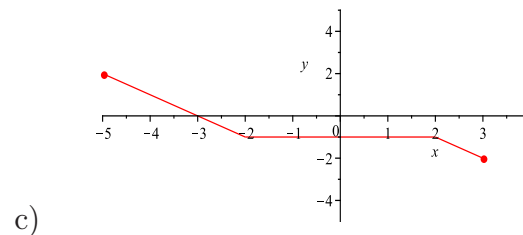
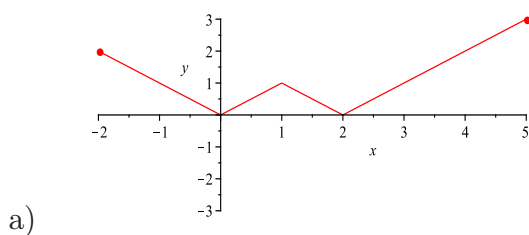
Příklad 5: Rozhodněte, která funkce je rostoucí, klesající, konstantní a která nemá ani jednu z těchto vlastností



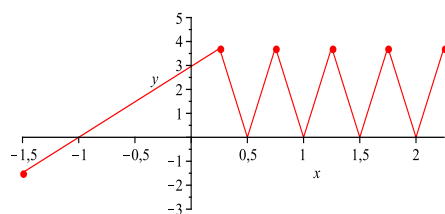
Příklad 6: Rozhodněte, je-li na obrázku znázorněna funkce omezená shora, omezená zdola, omezená nebo funkce, která nemá žádnou z těchto vlastností



Příklad 7: Určete maximum a minimum funkce, která je znázorněna na obrázku (pokud existují)



e)



f)

