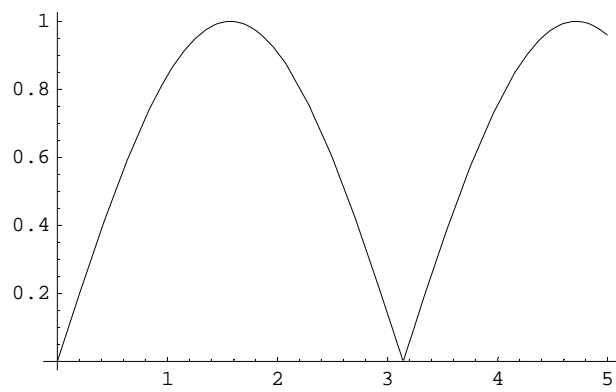


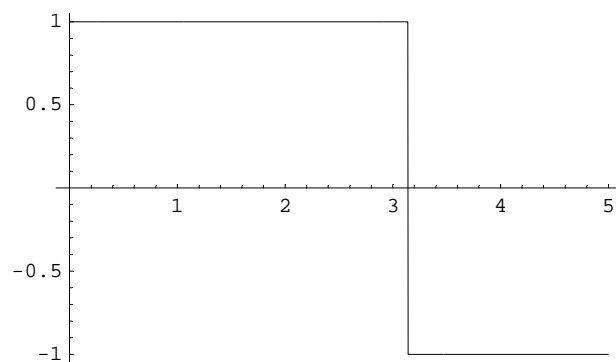
Lösungen

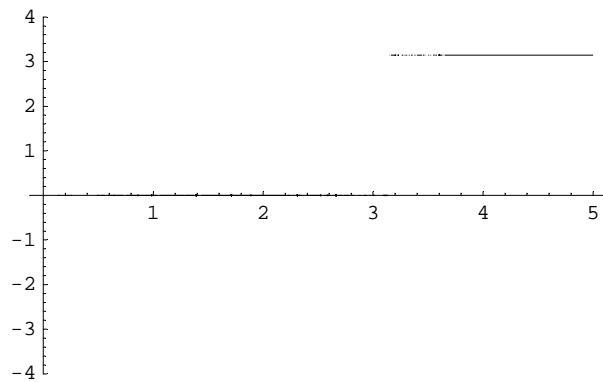
1

a



b Nenner nicht 0! (x nicht 0 oder)

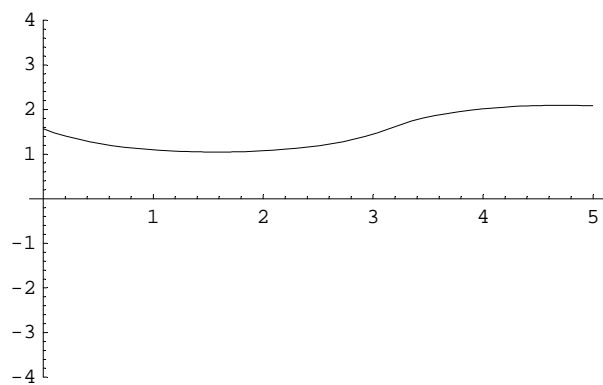


c Nenner nicht 0! (x nicht 0 oder)

ArcCos[1]

0

ArcCos[-1]

 π **d Nenner ist nie 0**

2

1

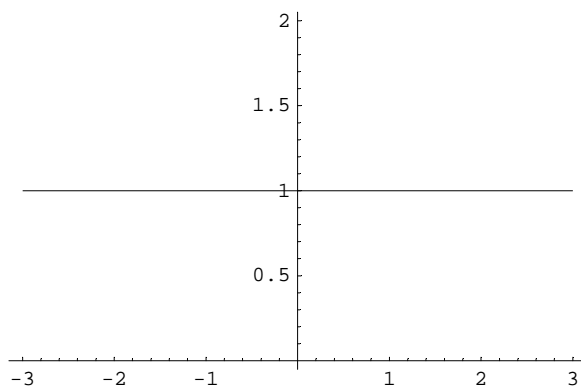
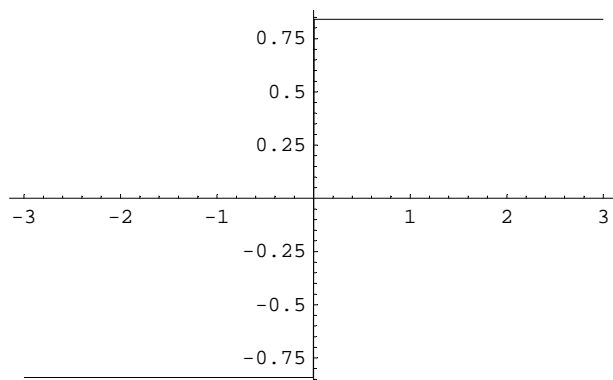
3**a**

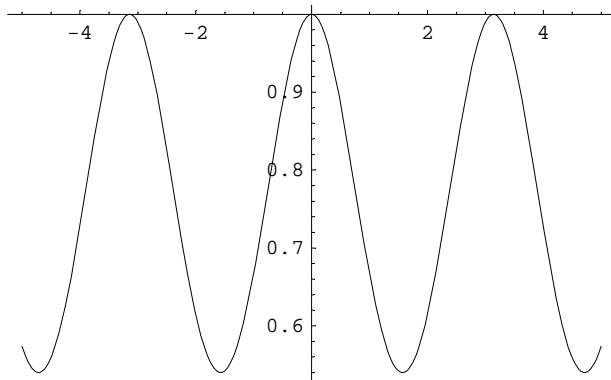
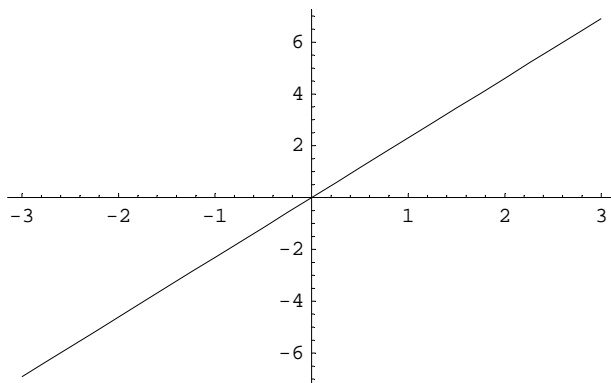
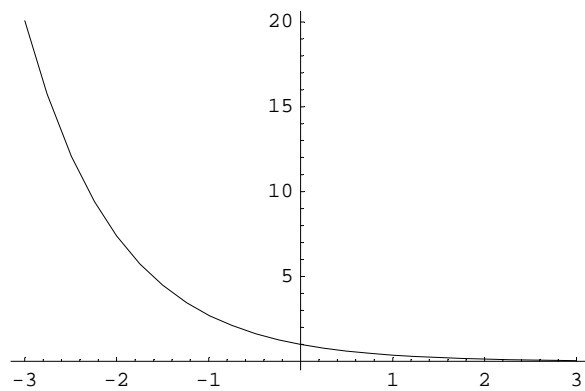
0

b

0

c $-\frac{1}{3}$ **d** $\frac{2}{3}$

4**a Monoton (nicht streng), periodisch zu jeder Periode, gerade****b Monoton (nicht streng), ungerade**

c Nur stückweise monoton (streng), periodisch, gerade**d Monoton (streng), ungerade****e Monoton (streng)**

f Nur stückweise monoton (streng), gerade

