

$\int f(x) dx = F(x) + C$

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Stammfunktionen, 1/10

$\int f(x) dx = F(x) + C$

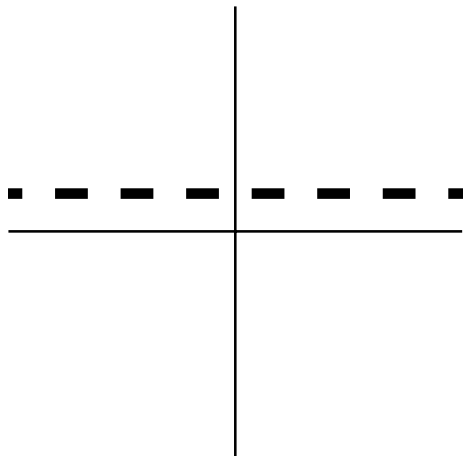
$\int f(x) dx = F(x) + C$

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f ... Funktion F ... eine mögliche Stammfunktion

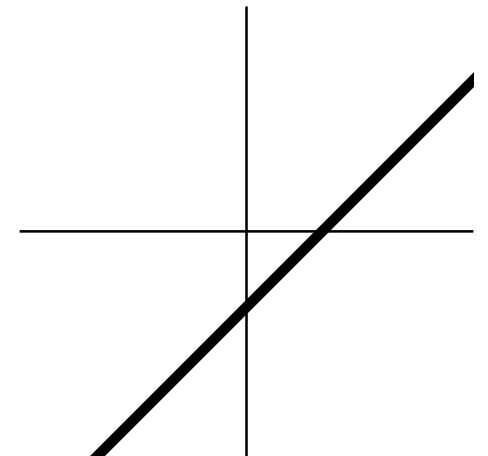
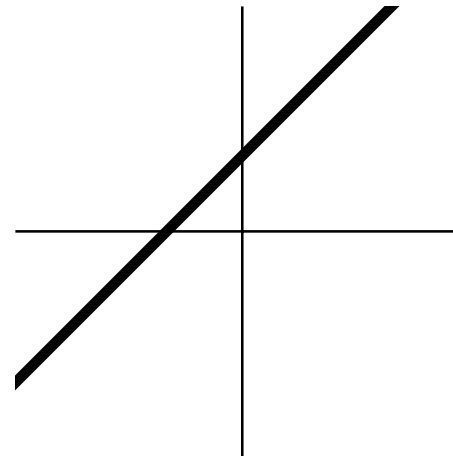
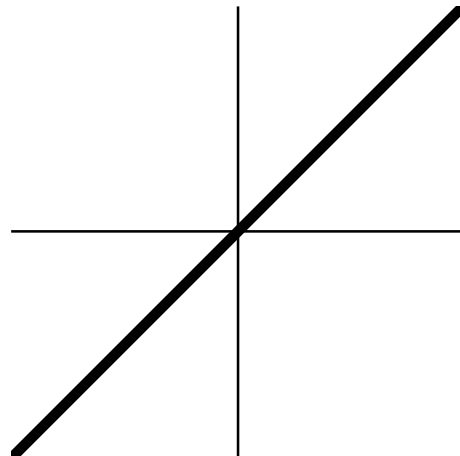
$f(x) = 1$

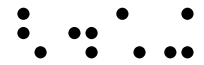
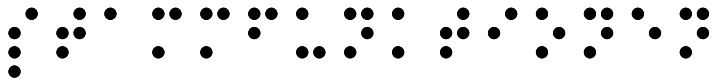
f(x) = 1



$F(x) = x + C$

F(x) = x + C

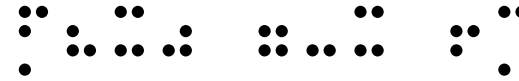
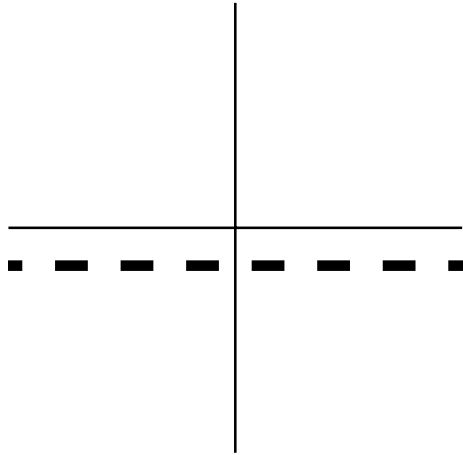




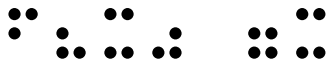
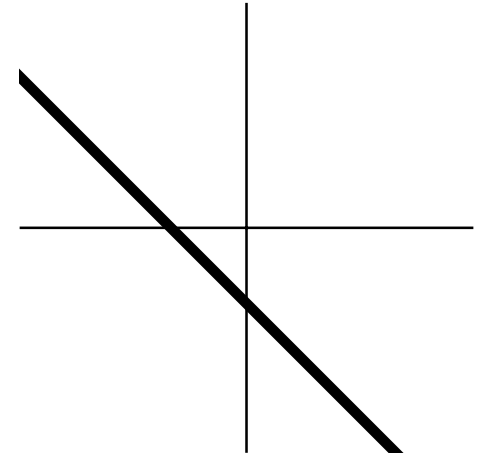
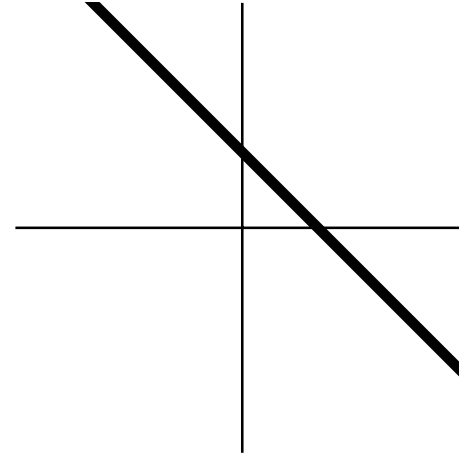
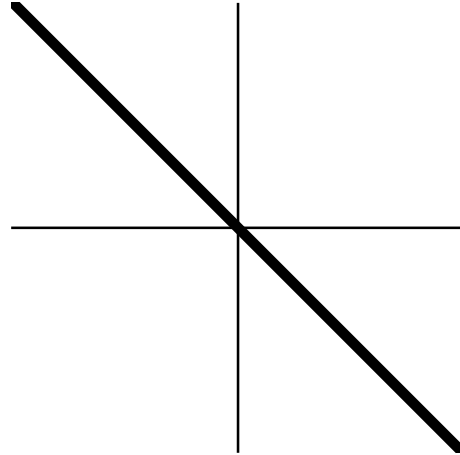
Stammfunktionen, 2/10



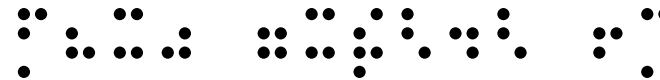
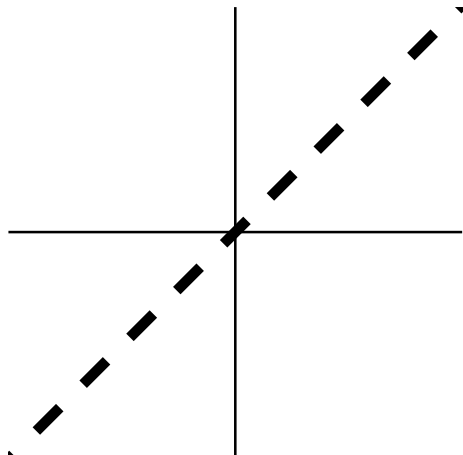
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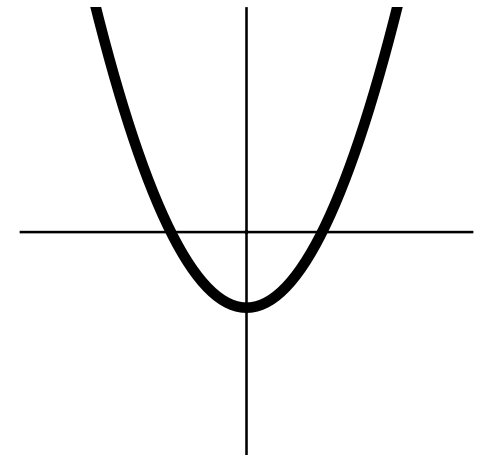
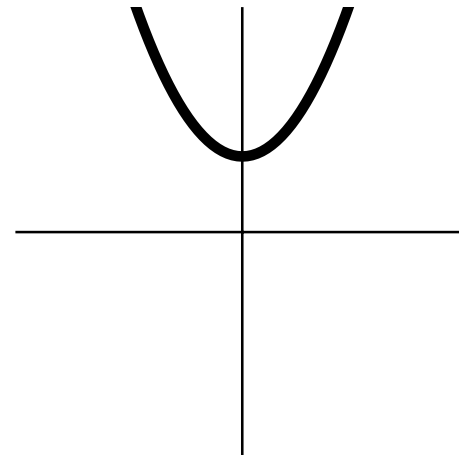
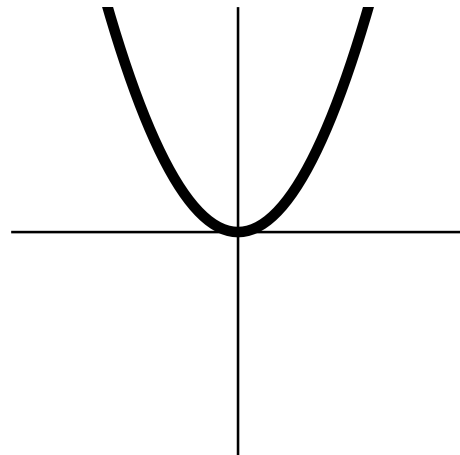
$F(x) = -x + C$

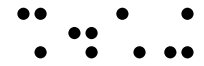
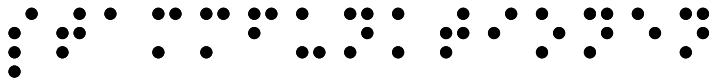


$f(x) = x$



$F(x) = x^2/2 + C$

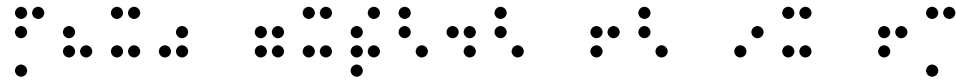
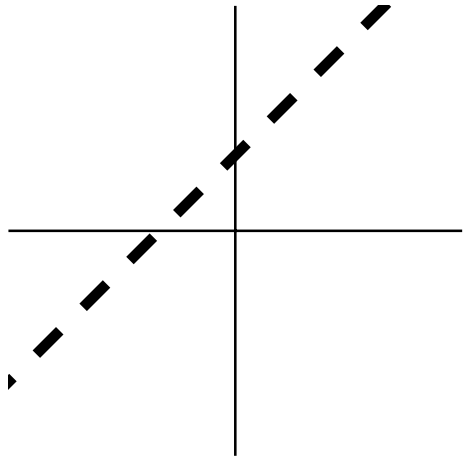




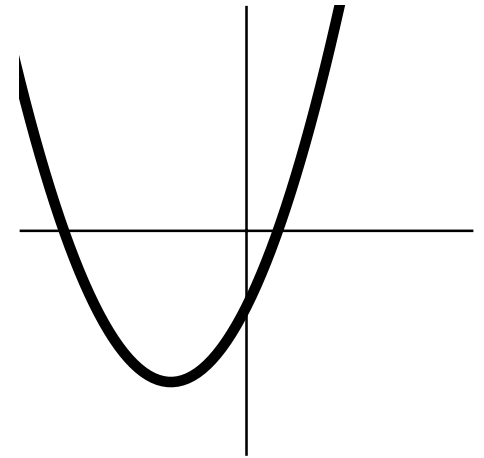
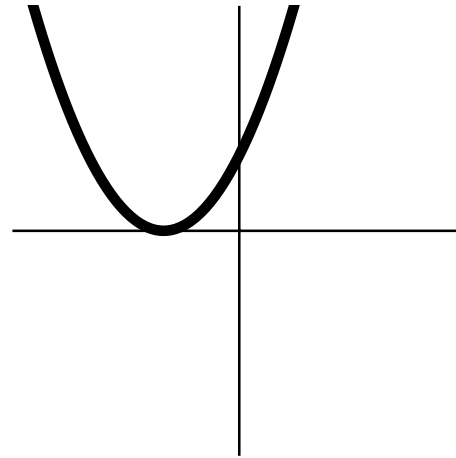
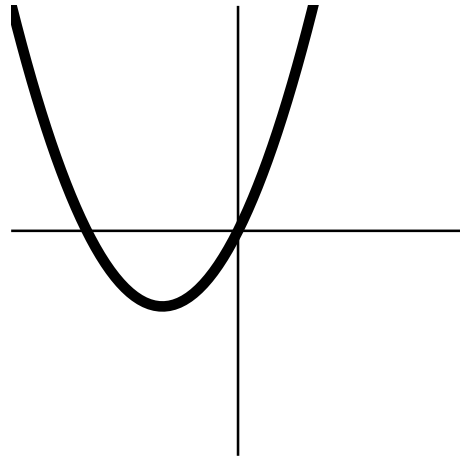
Stammfunktionen, 3/10



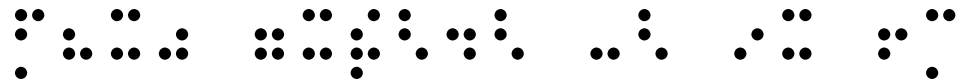
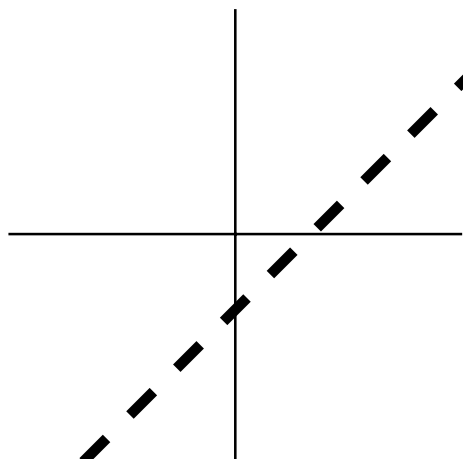
$f(x) = x + 2$



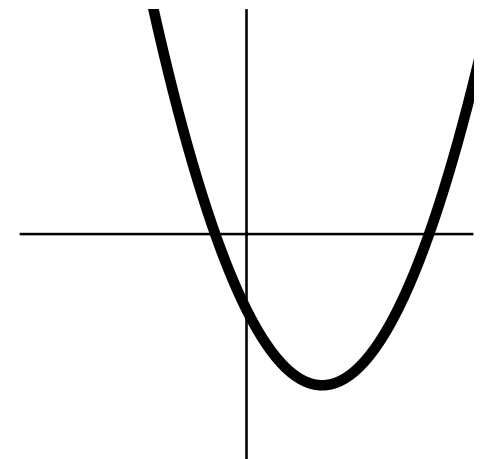
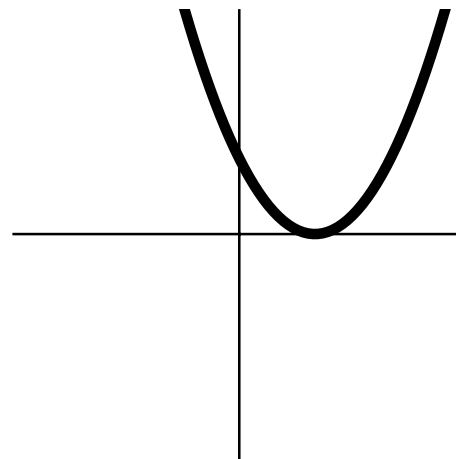
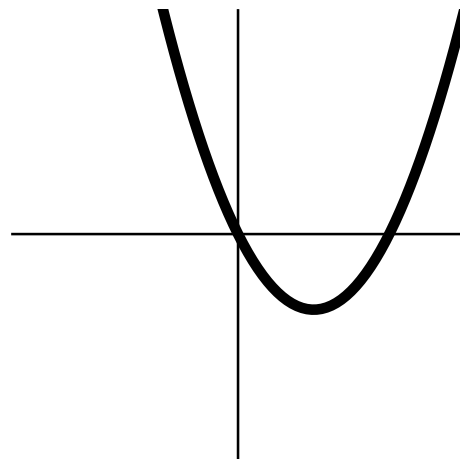
$F(x) = x^2/2 + 2x + C$

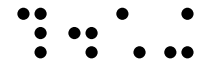
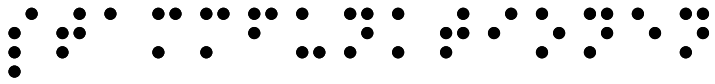


$f(x) = x - 2$

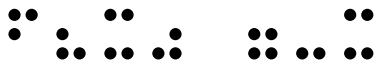


$F(x) = x^2/2 - 2x + C$

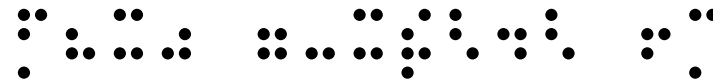
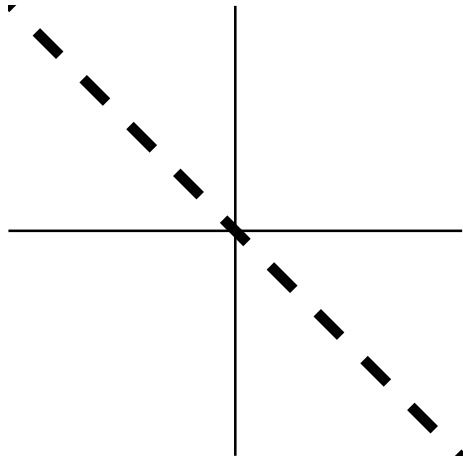




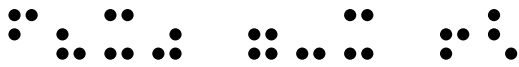
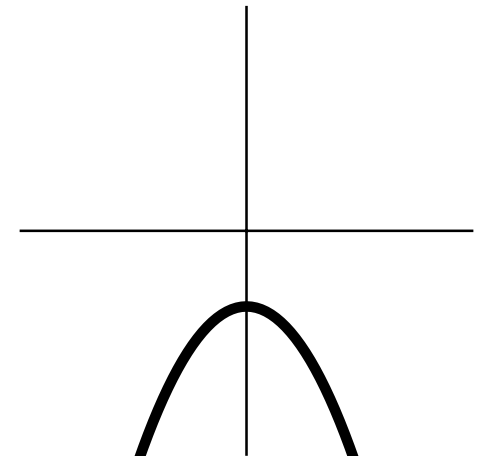
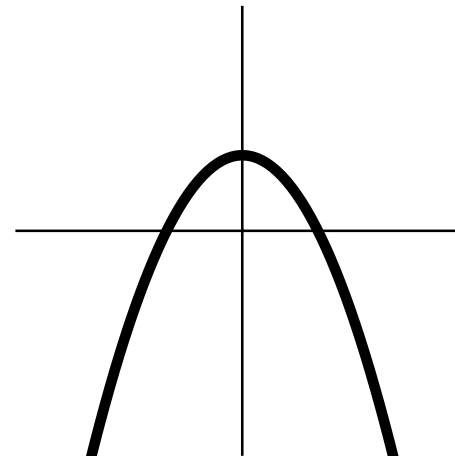
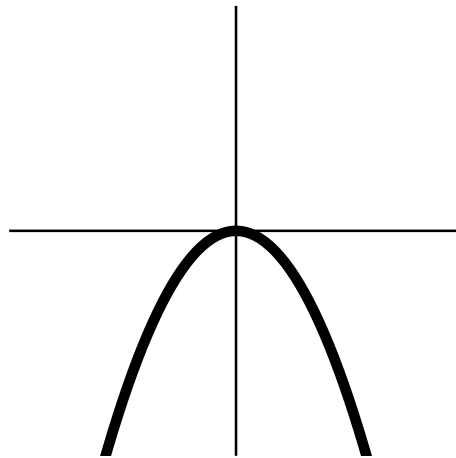
Stammfunktionen, 4/10



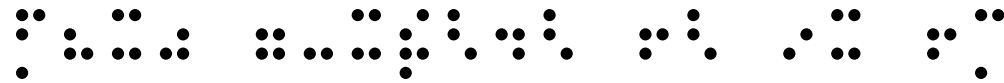
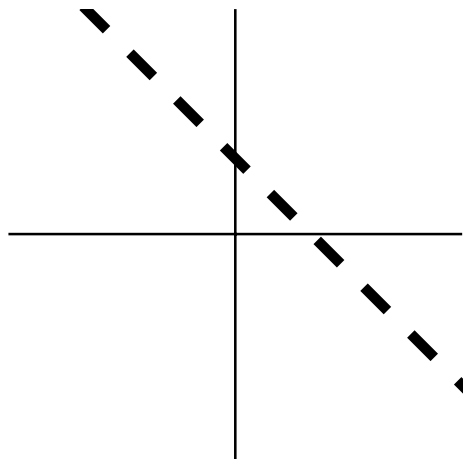
$f(x) = -x$



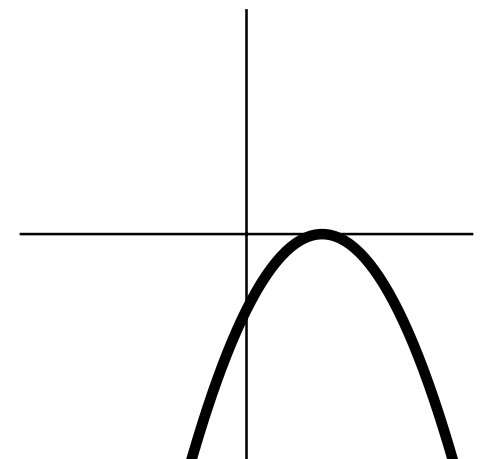
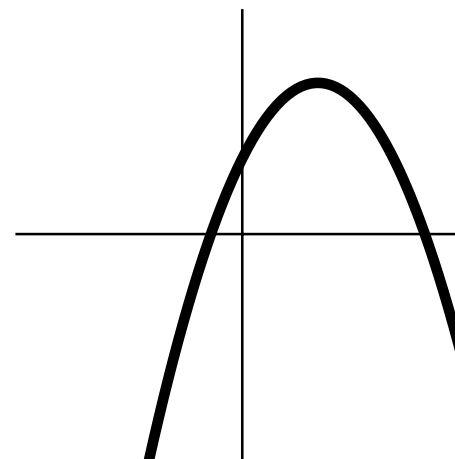
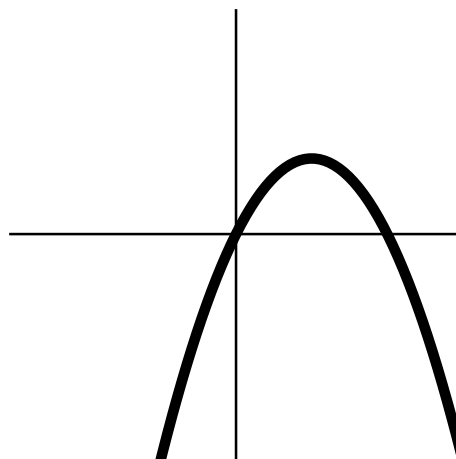
$F(x) = -x^2/2 + C$

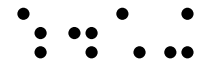
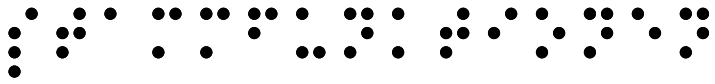


$f(x) = -x + 2$



$F(x) = -x^2/2 + 2x + C$

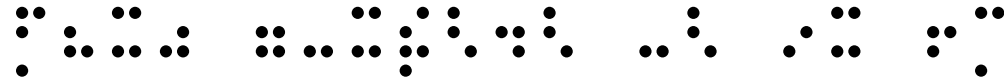
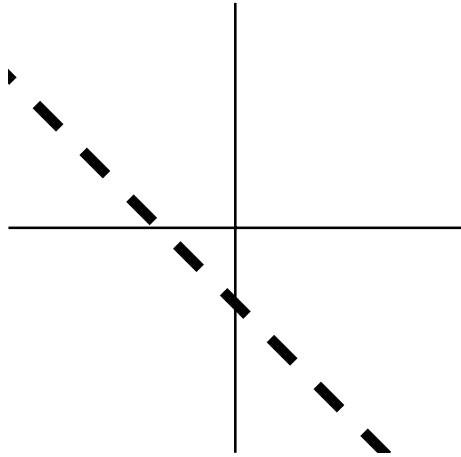




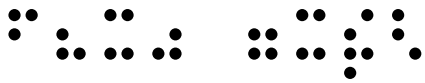
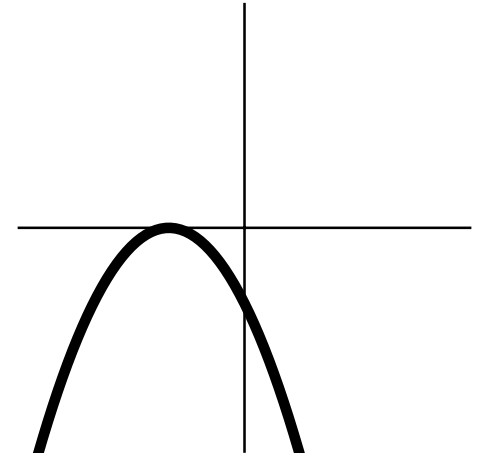
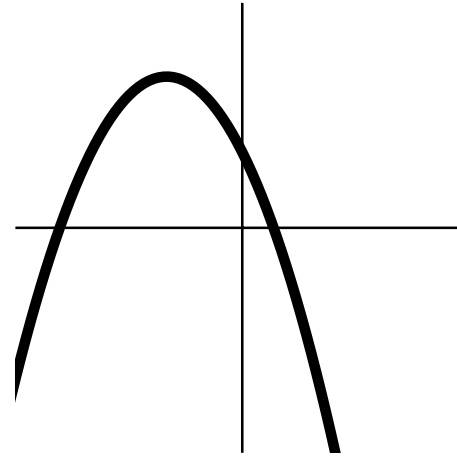
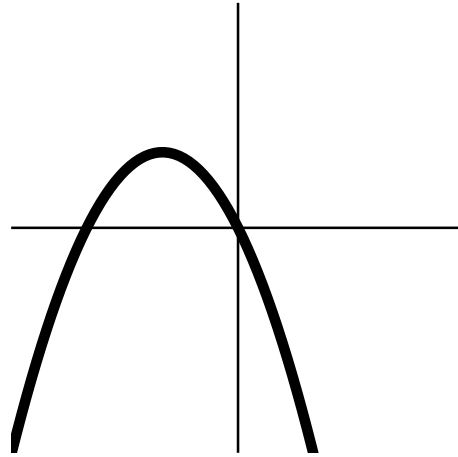
Stammfunktionen, 5/10



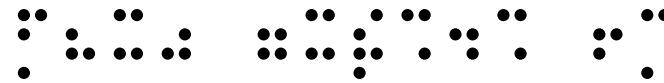
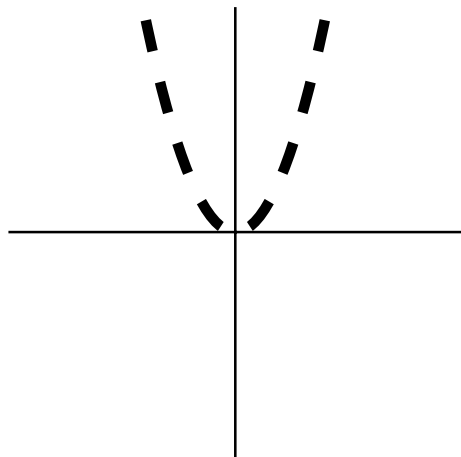
$f(x) = -x - 2$



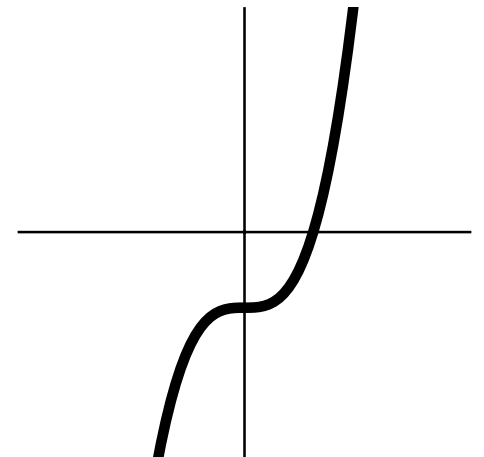
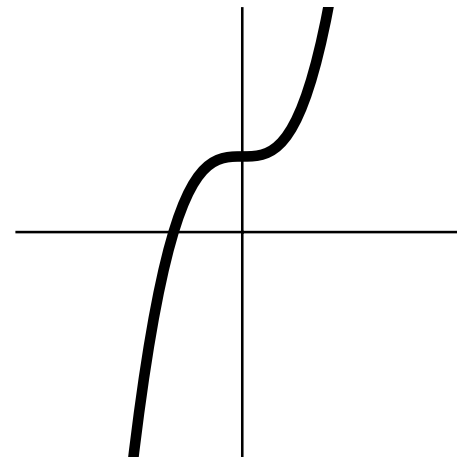
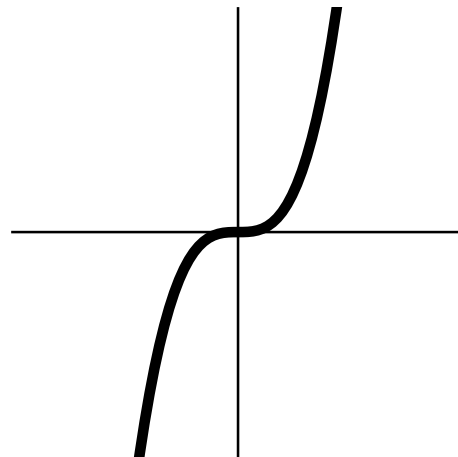
$F(x) = -x^2/2 - 2x + C$

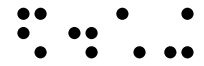
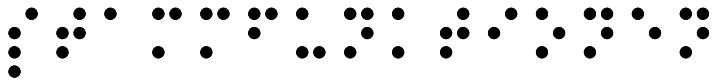


$f(x) = x^2$

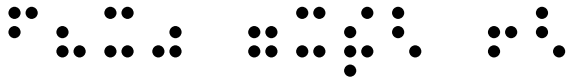


$F(x) = x^3/3 + C$

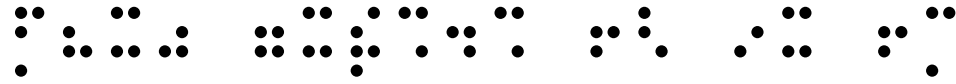
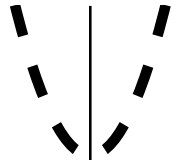




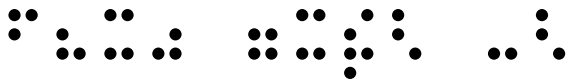
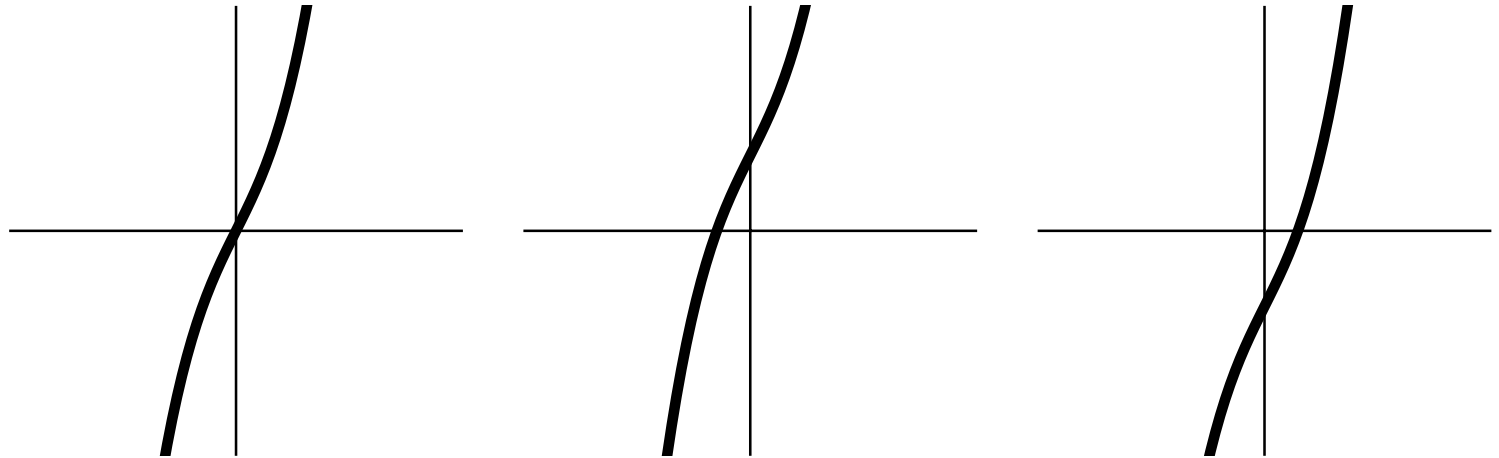
Stammfunktionen, 6/10



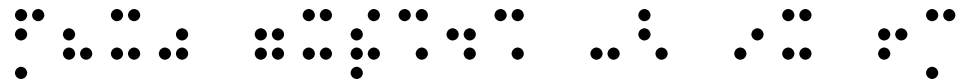
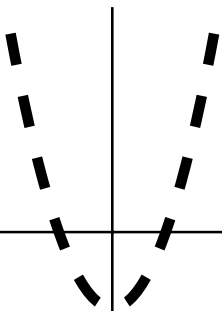
$f(x) = x^2 + 2$



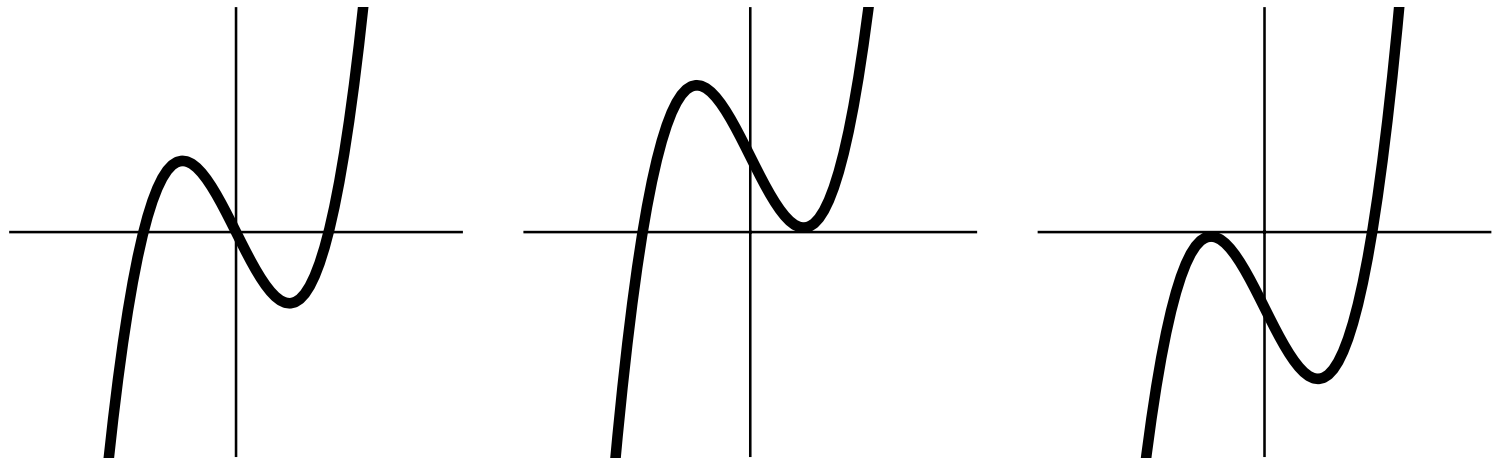
$F(x) = x^3/3 + 2x + C$

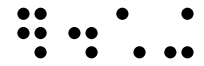
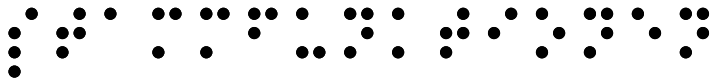


$f(x) = x^2 - 2$



$F(x) = x^3/3 - 2x + C$

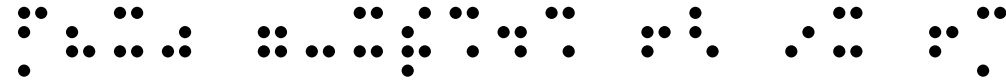
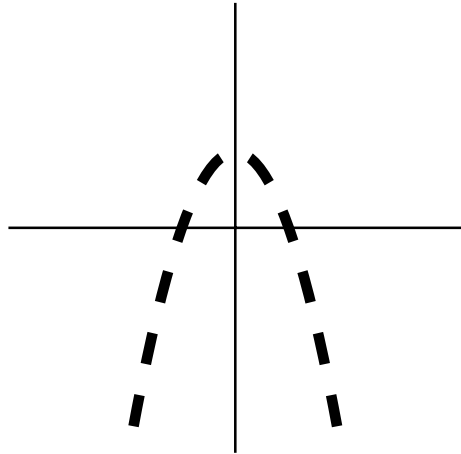




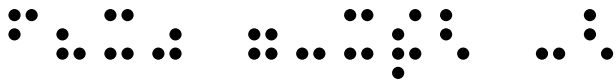
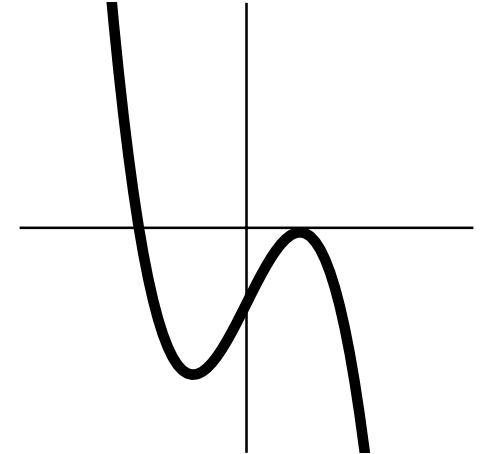
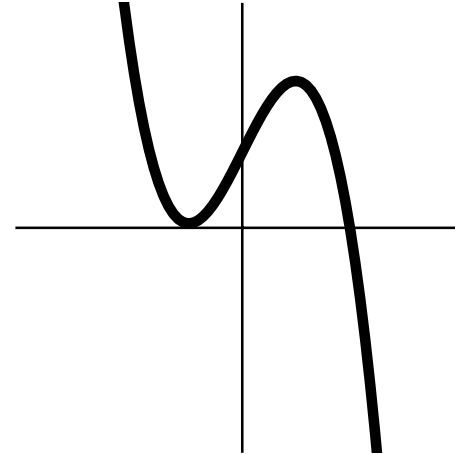
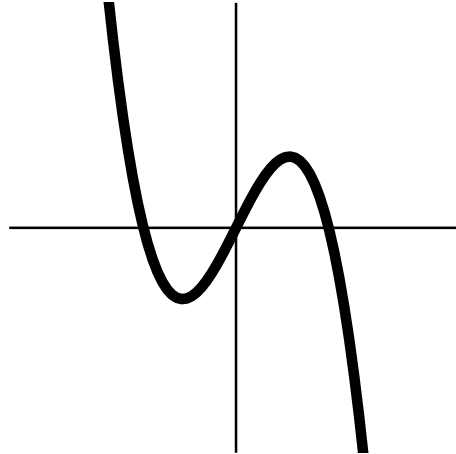
Stammfunktionen, 7/10



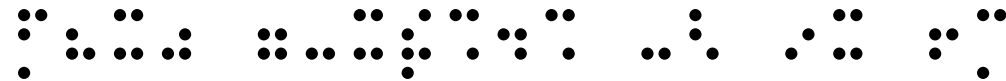
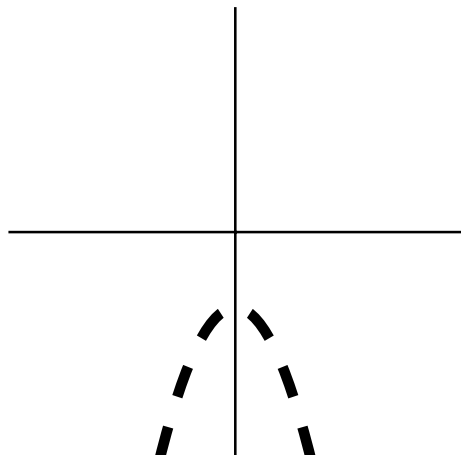
$f(x) = -x^2 + 2$



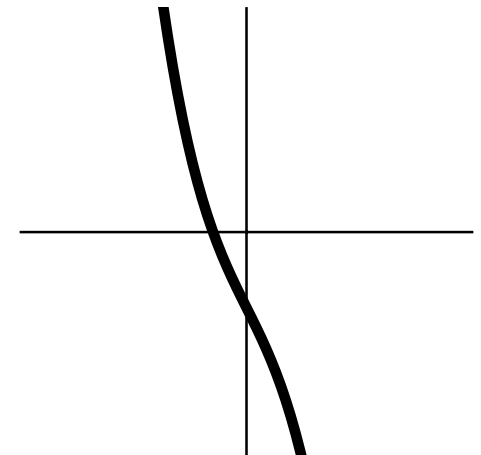
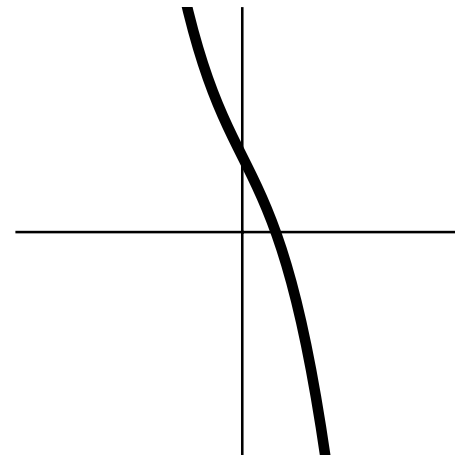
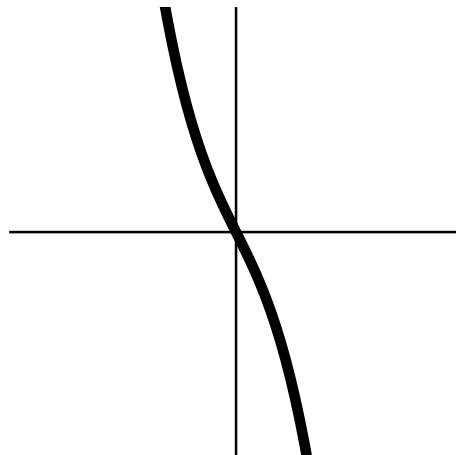
$F(x) = -x^3/3 + 2x + C$

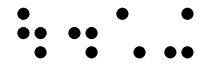
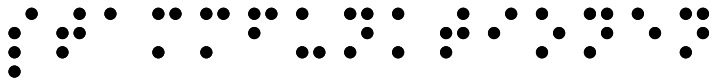


$f(x) = -x^2 - 2$



$F(x) = -x^3/3 - 2x + C$

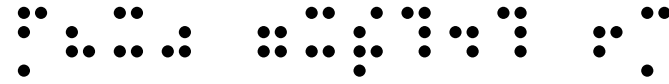
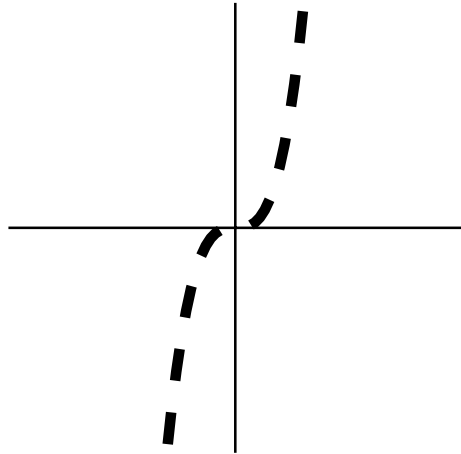




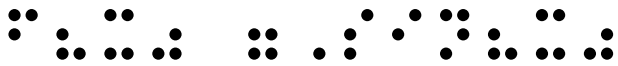
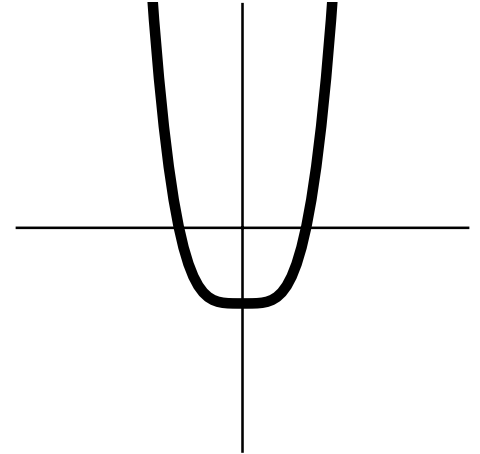
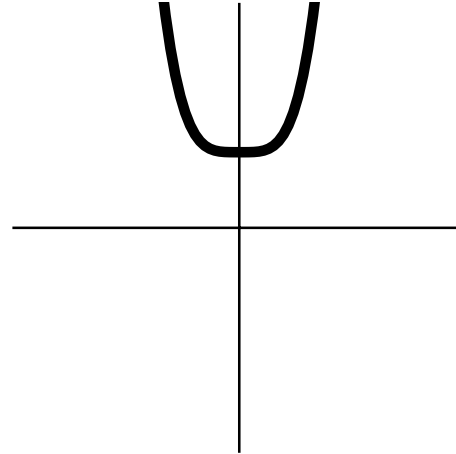
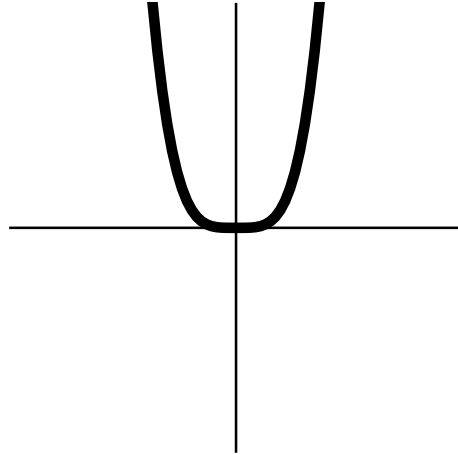
Stammfunktionen, 8/10



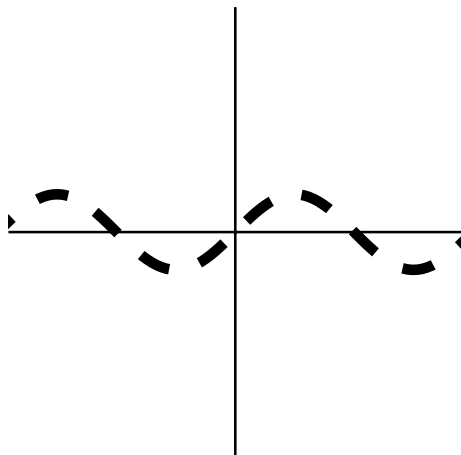
$f(x) = x^3$



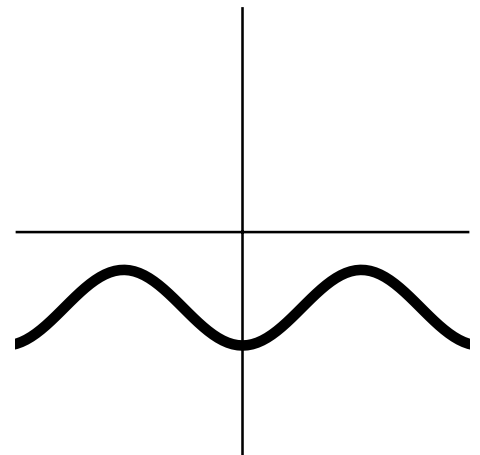
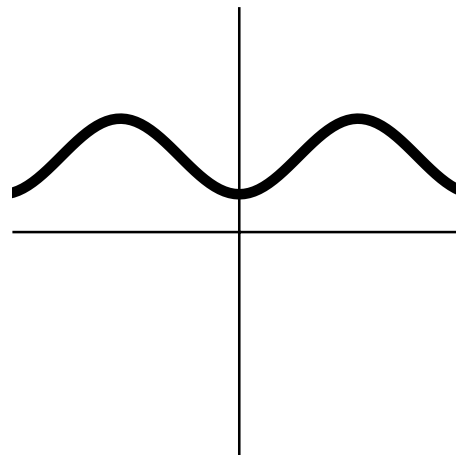
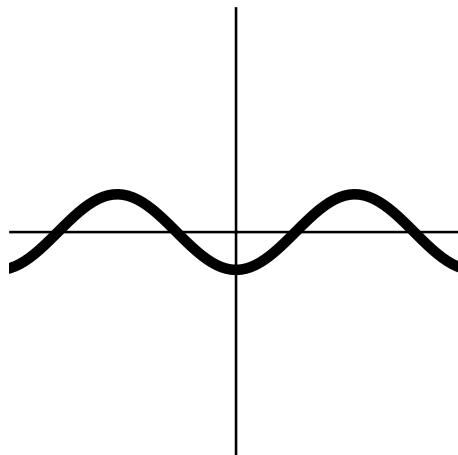
$F(x) = x^4/4 + C$

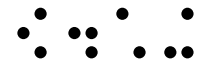
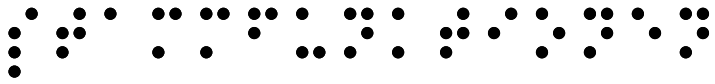


$f(x) = \sin(x)$

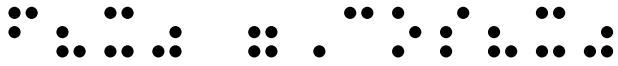


$F(x) = -\cos(x) + C$

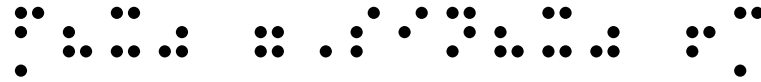
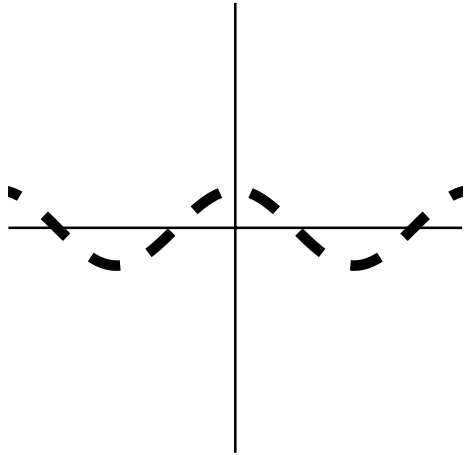




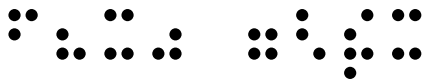
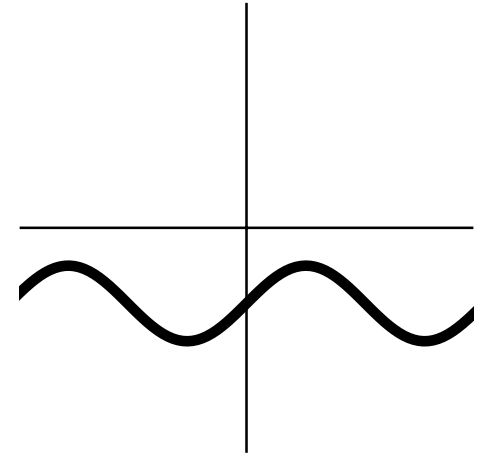
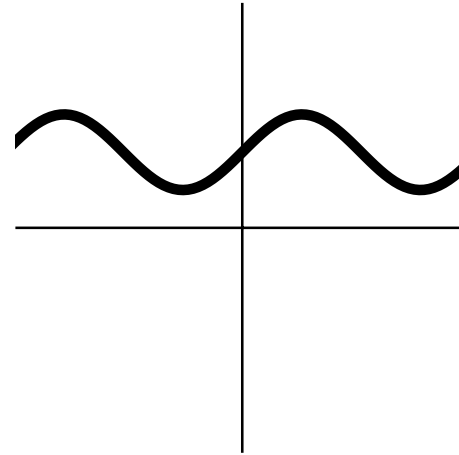
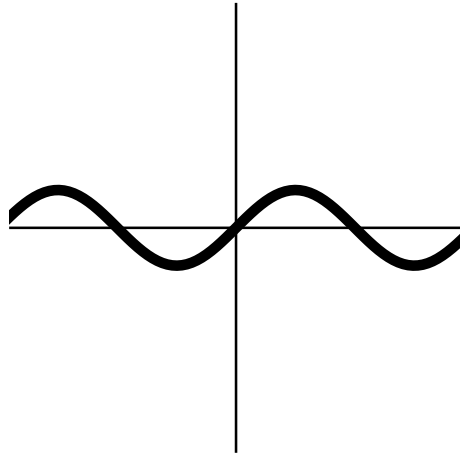
Stammfunktionen, 9/10



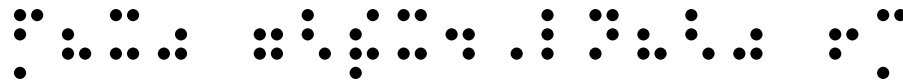
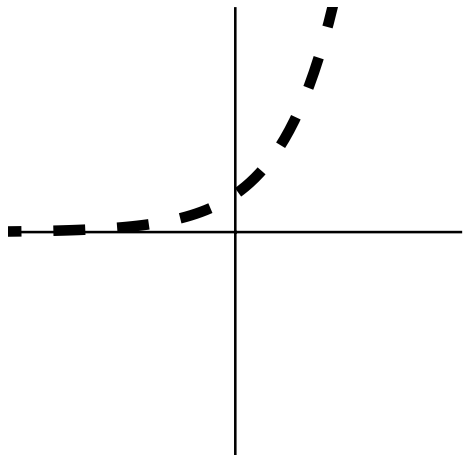
$f(x) = \cos(x)$



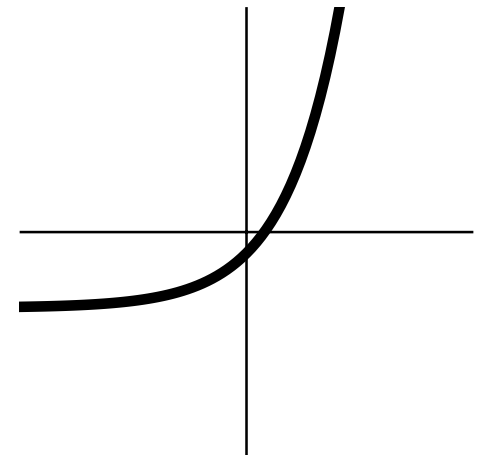
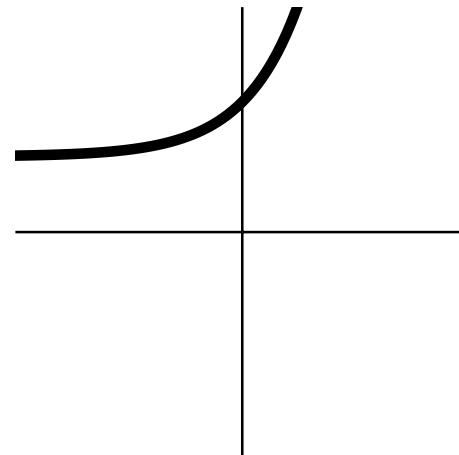
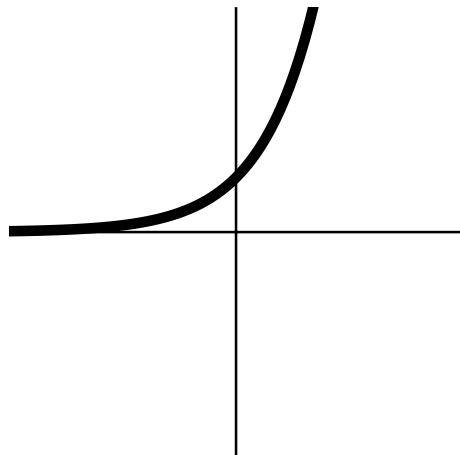
$F(x) = \sin(x) + C$

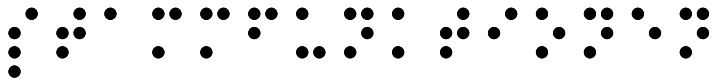


$f(x) = 2^x$



$F(x) = 2^x / \ln(2) + C$

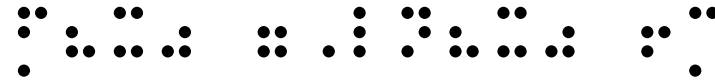
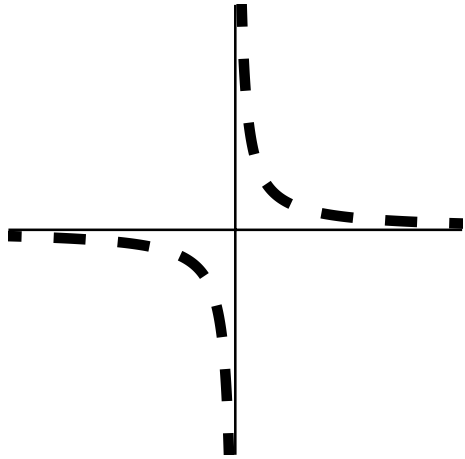




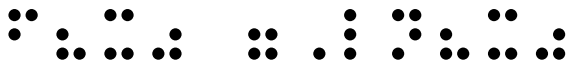
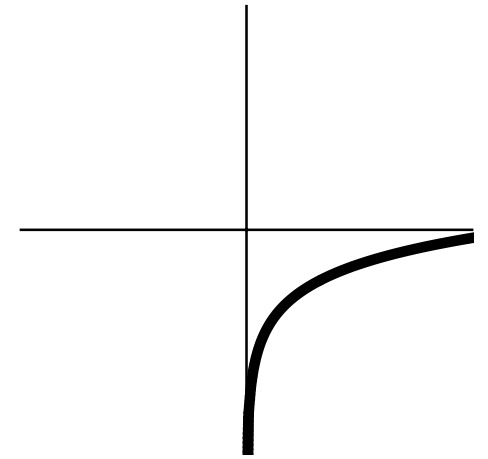
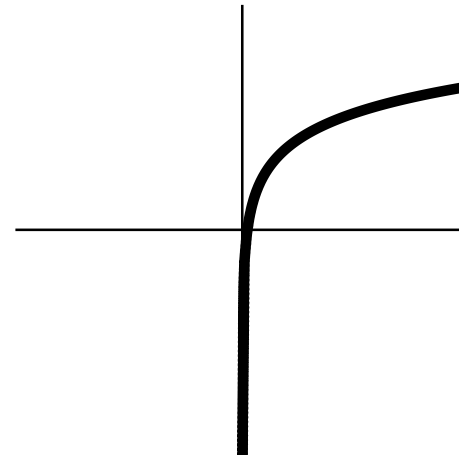
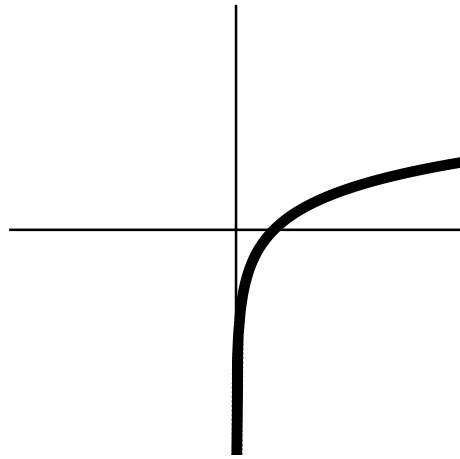
Stammfunktionen, 10/10



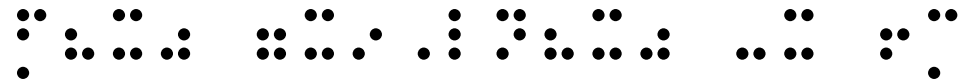
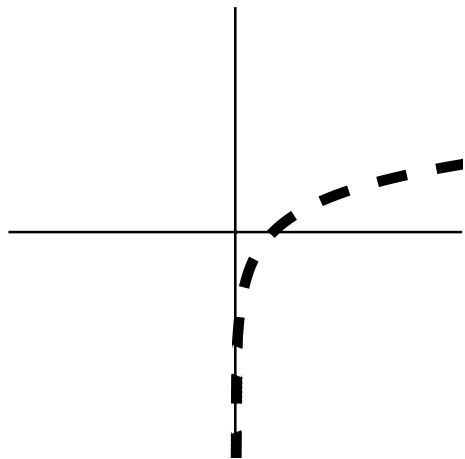
$f(x) = 1/x$



$F(x) = \ln(x) + C$



$f(x) = \ln(x)$



$F(x) = x \cdot \ln(x) - x + C$

