



```
size 20 {  
  f(x)= {  
    sin { left( x^2-3 right) } underbrace {"innere Fkt."}  
  } overbrace {"äußere Funktion"}  
  rightharrow f'(x) = {2x} underbrace {  
    stack{"innere" # alignc "Abl."}  
  }  
  cdot {cos left( x^2-3 right)} underbrace{"äußere Abl."}  
}
```

```
size 20 { (a+b)^n = sum from{k=0} to {n} { left( binom{n}{k} right)  
a^{n-k}b^k } }
```

```
size 20 { (a+b)^n = left( binom{n}{0} right) a^n cdot b^0 + left(  
binom{n}{1} right) a^{n-1} cdot b^1 + dotsaxis + left( binom{n}{n-1}  
right) a^1 cdot b^{n-1} + left( binom{n}{n} right) a^0 cdot b^n }
```

```
size 20 {vec a times vec b = -left( vec b times vec a right)}
```

```
size 20 {l = int from {a} to {b} {sqrt{1+f'(x)^2}dx} }
```

```
size 24 {
```

```
  matrix {
```

```
    alignr f'(x) # {}={} # alignl a cdot e^x - b cdot e^{-x} ##
```

```
    alignr a cdot e^x - b cdot e^{-x} # {}={} # alignl 0~~~~left
```

```
      none mline {} cdot e^x right none ##
```

```
    alignr a cdot e^{2x} - b # {}={} # alignl 0 ##
```

```
    alignr e^{2x} # {}={} # alignl b over a ##
```

```
    alignr 2x # {}={} # alignl ln left(b over a right) ##
```

```
    alignr x # {}={} # alignl 1 over 2 ln left(b over a right)
```

```
  }
```

```
}
```