LÖSUNG ZU 132:

$f(x) = 3 \cdot 2{,}5^x$

$f(-4) = 3 \cdot 2{,}5^{-4} = 0{,}0768$

$f(x) = 3 \cdot 2{,}5^x = 1{,}2 \quad \rightarrow \quad 2{,}5^x = 0{,}4 \quad \rightarrow \quad x = \frac{\ln(0{,}4)}{\ln(2{,}5)} = -1$

$f(x) = 3 \cdot 2{,}5^x = 18{,}75 \quad \rightarrow \quad 2{,}5^x = 6{,}25 \quad \rightarrow \quad x = \frac{\ln(6{,}25)}{\ln(2{,}5)} = 2$

$f(5) = 3 \cdot 2{,}5^5 = 292{,}96875$