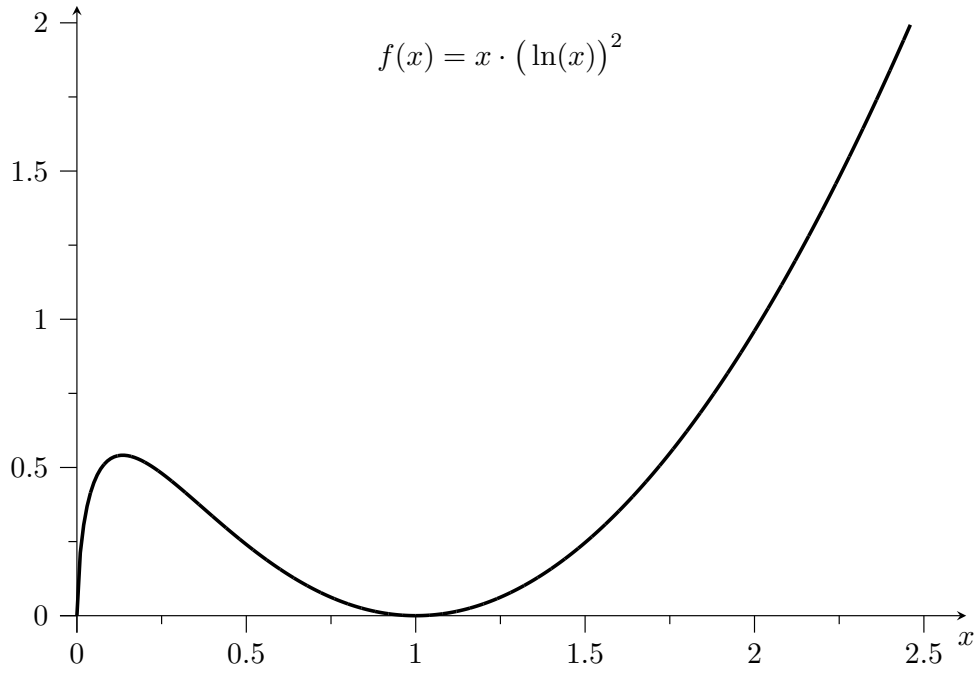
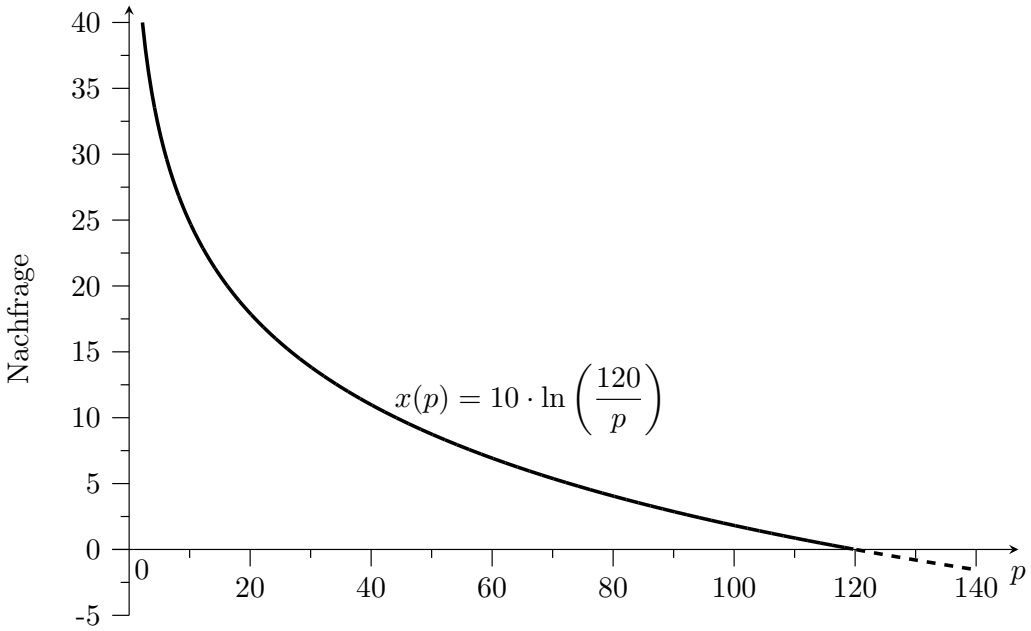
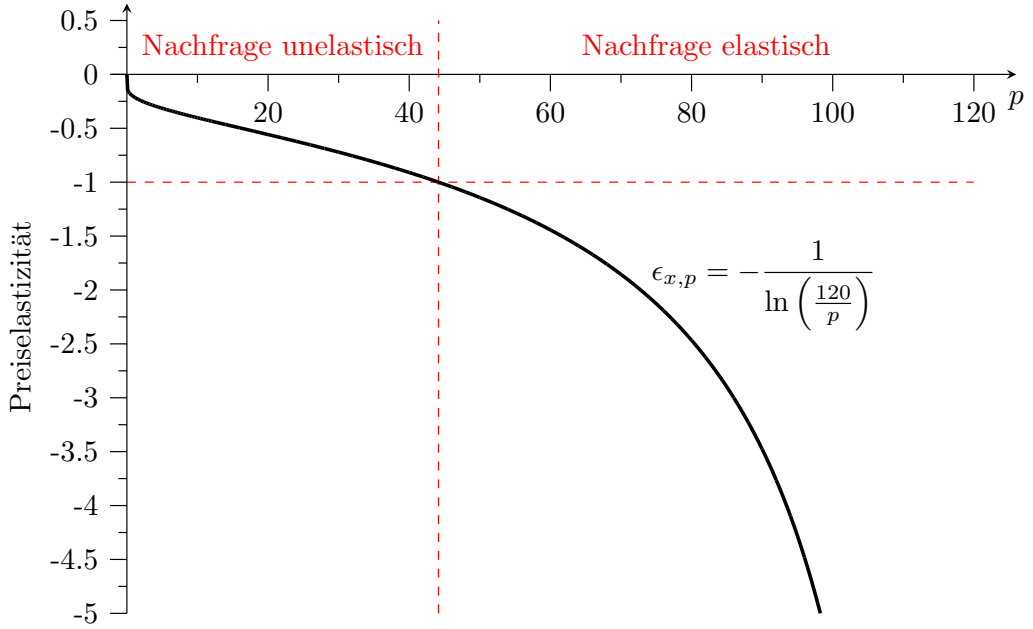
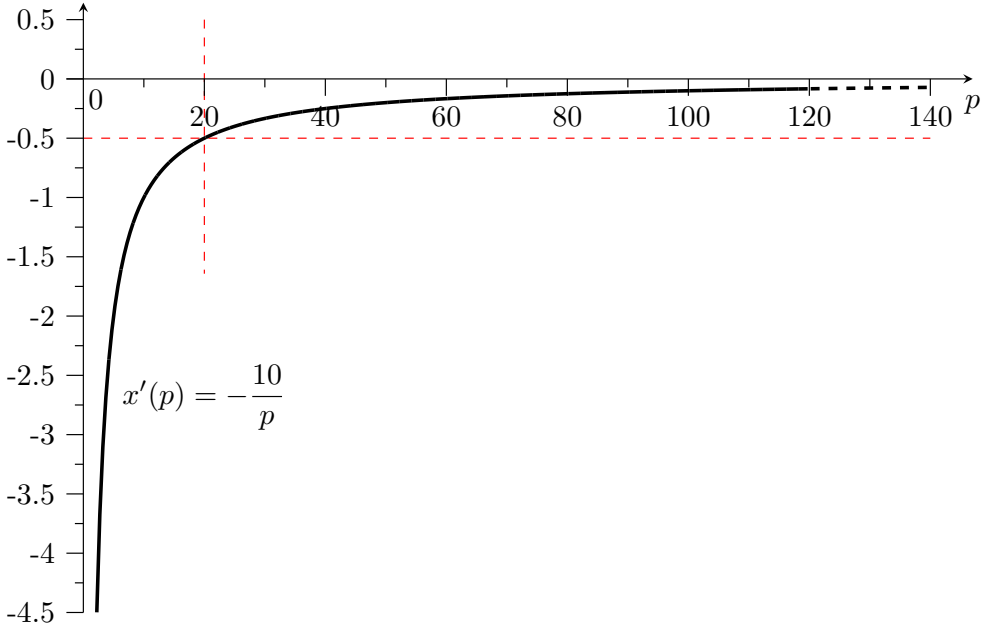
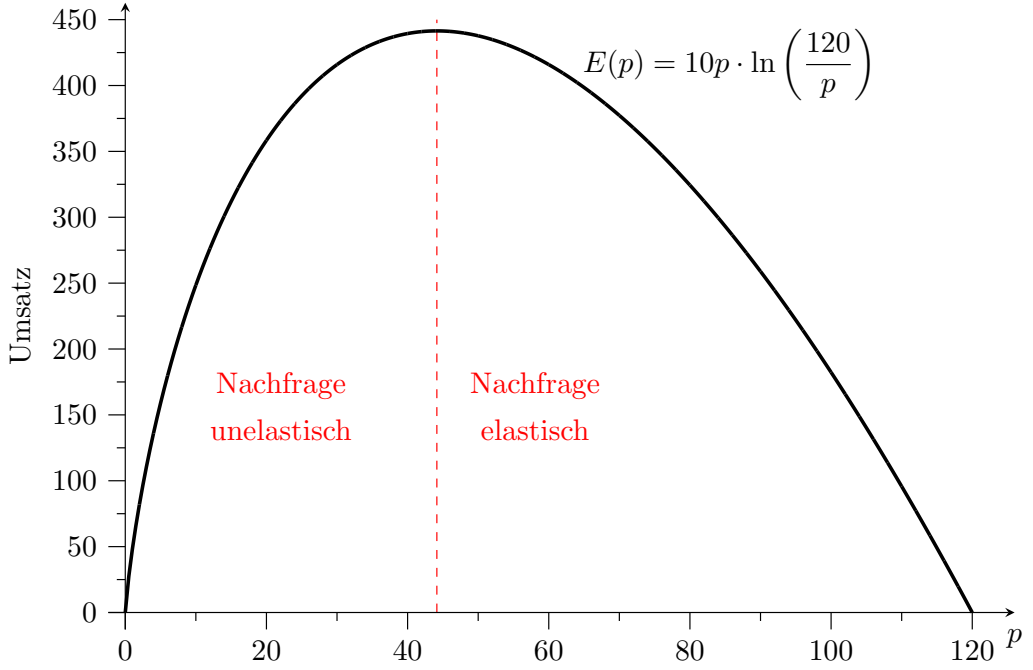

$f(x) = x \cdot \big(\ln(x)\big)^2$
2
1.5
1
0.5
0
0
0.5
1
1.5
2
2.5
x


Nachfrage
$x(p) = 10 \cdot \ln\left(\frac{120}{p}\right)$
p


Nachfrage unelastisch
Nachfrage elastisch
Preiselastizität
$\epsilon_{x,p} = -\frac{1}{\ln\left(\frac{120}{p}\right)}$
p


$x'(p) = -\frac{10}{p}$
p


Umsatz
$E(p) = 10p \cdot \ln\left(\frac{120}{p}\right)$
Nachfrage unelastisch
Nachfrage elastisch
p