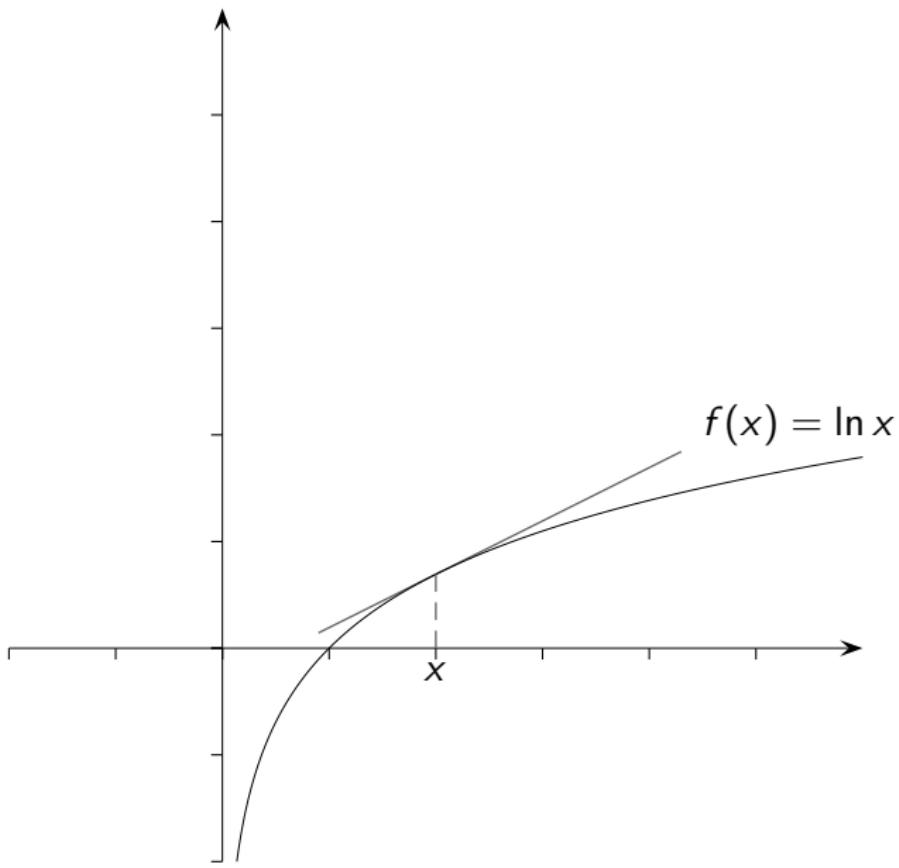
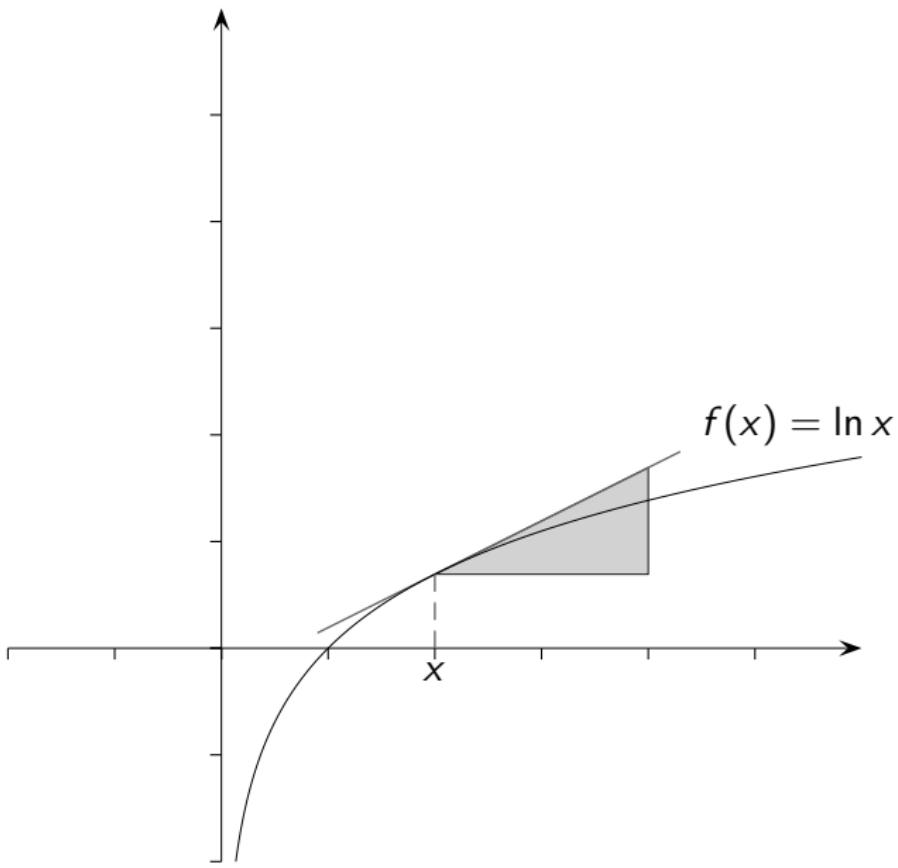
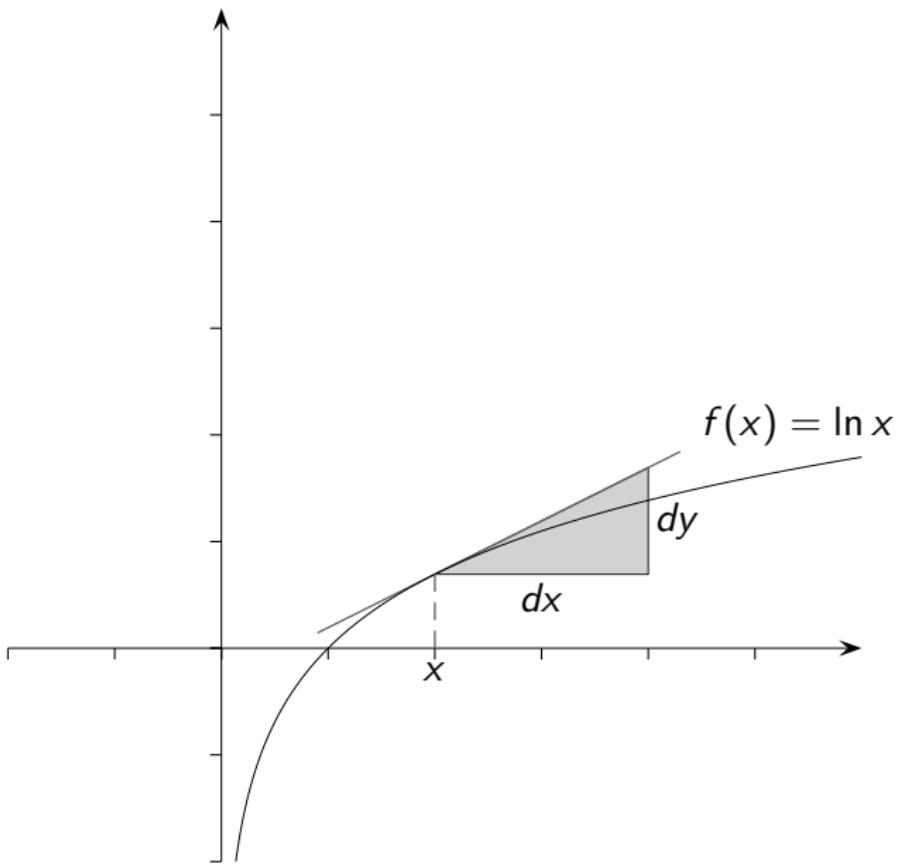


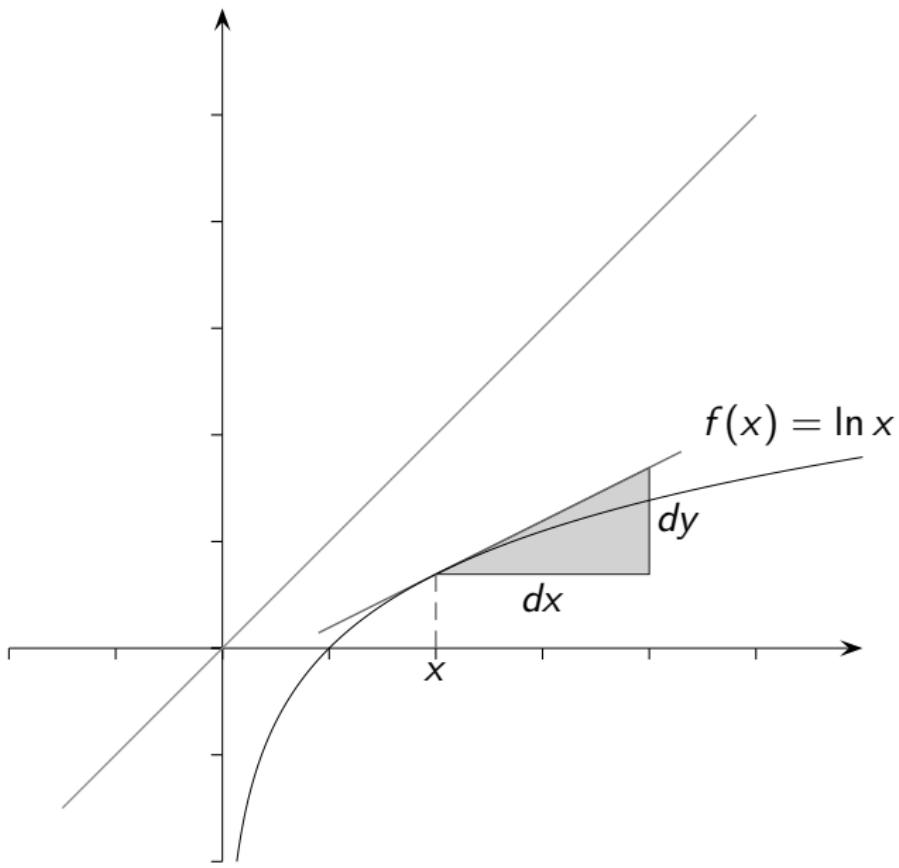
Ableitung von $f(x) = \ln(x)$

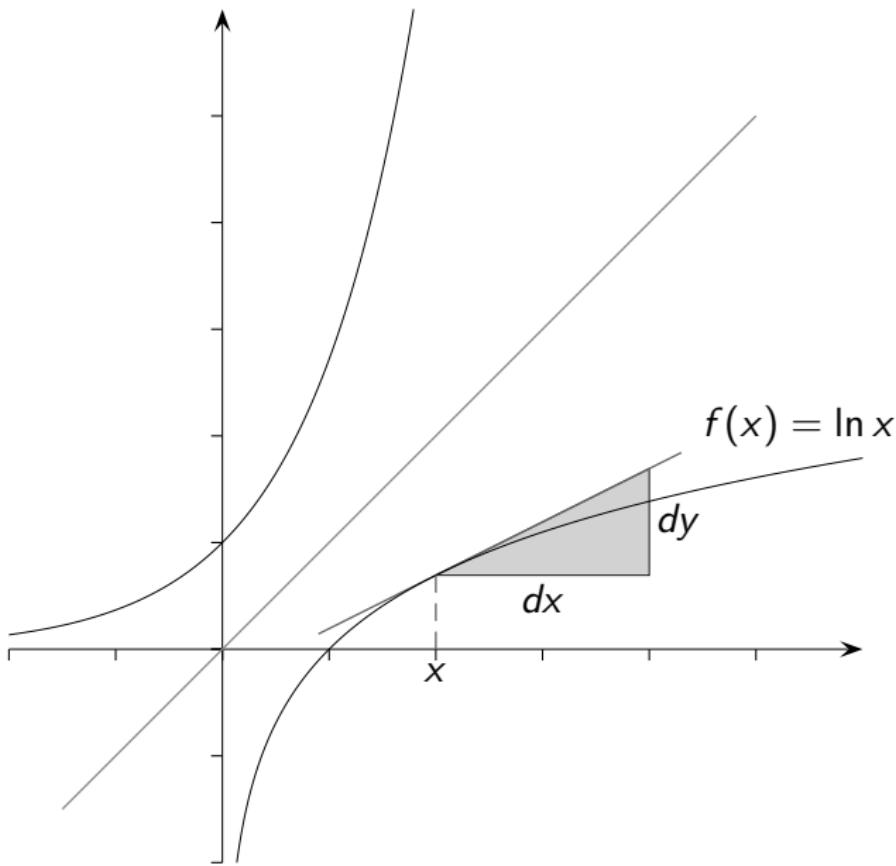
G.Roolfs

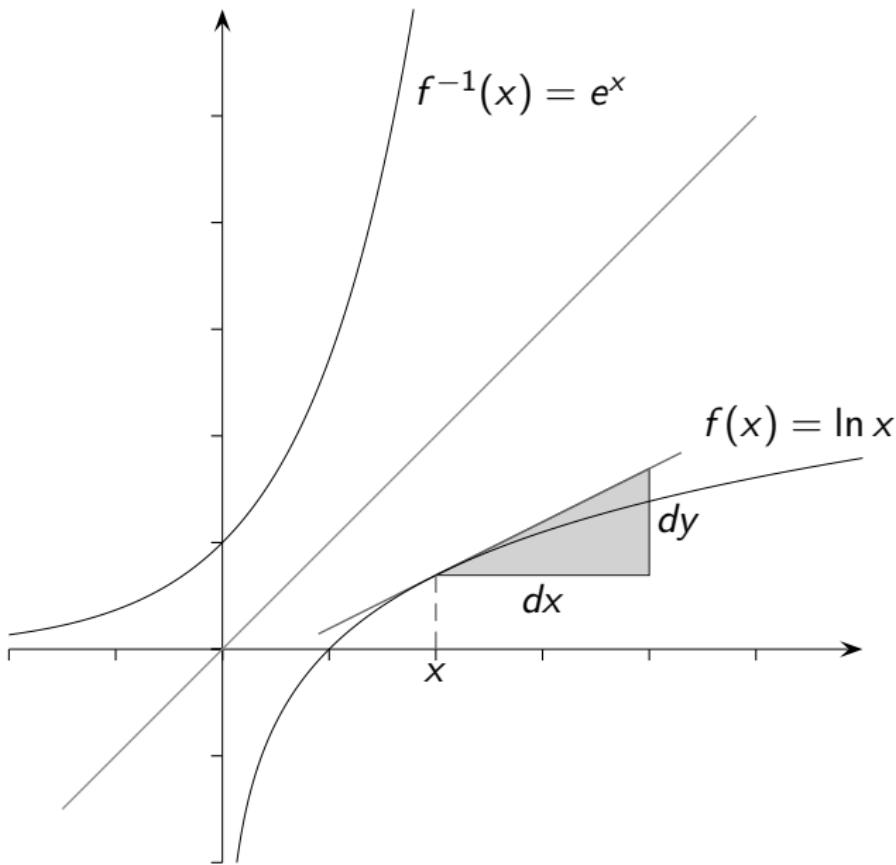


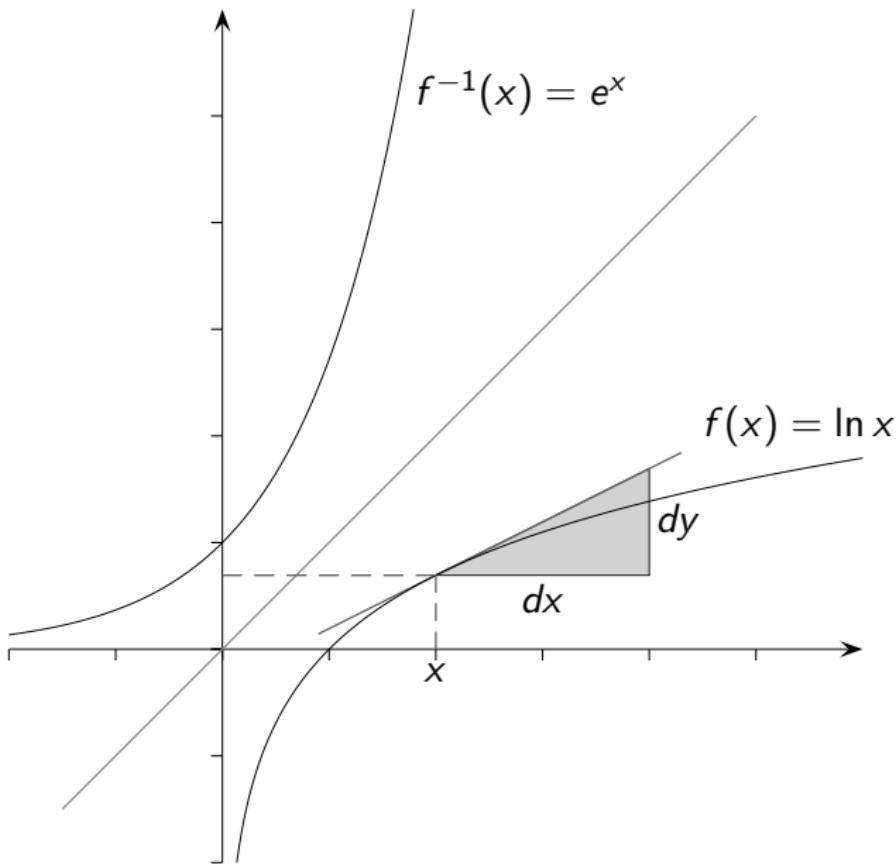


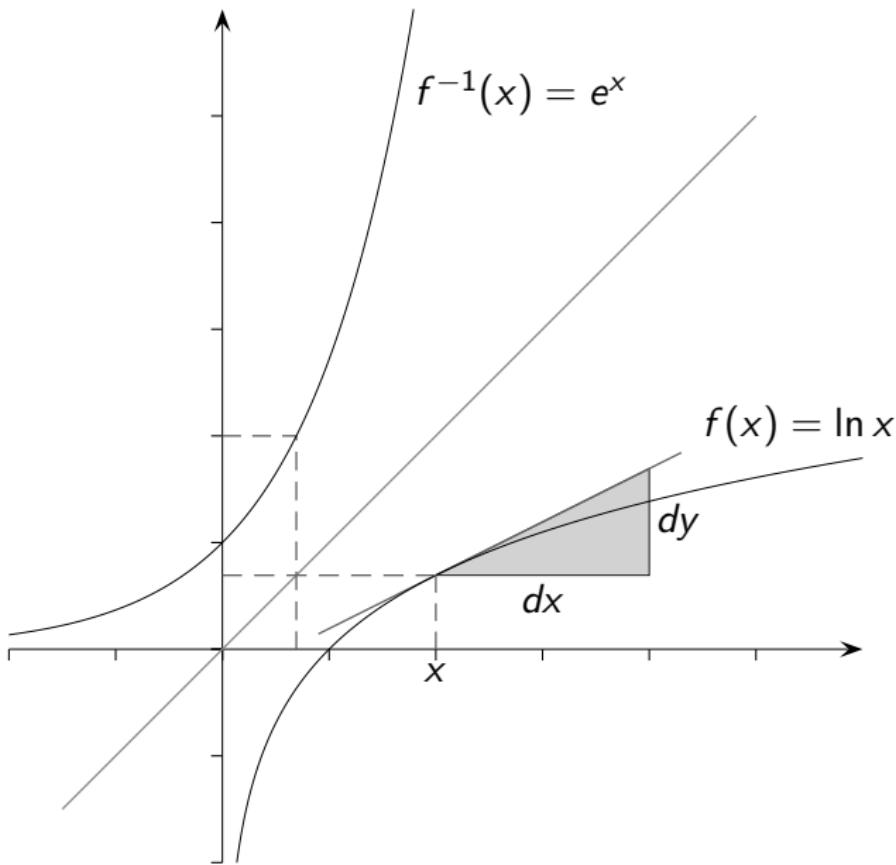


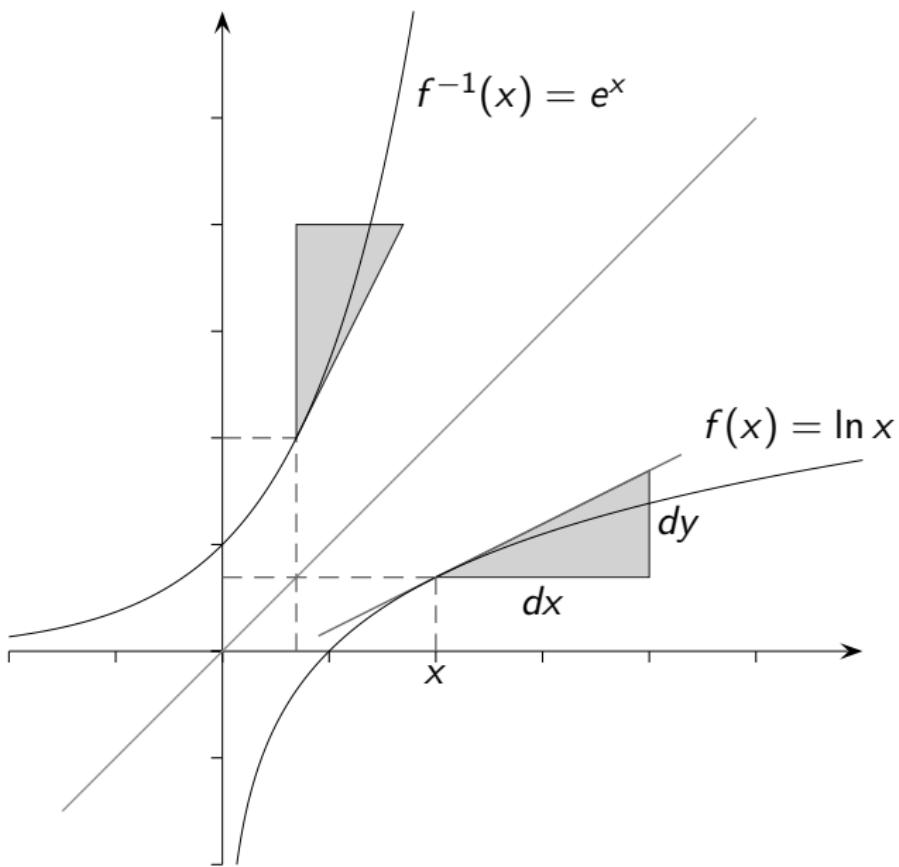


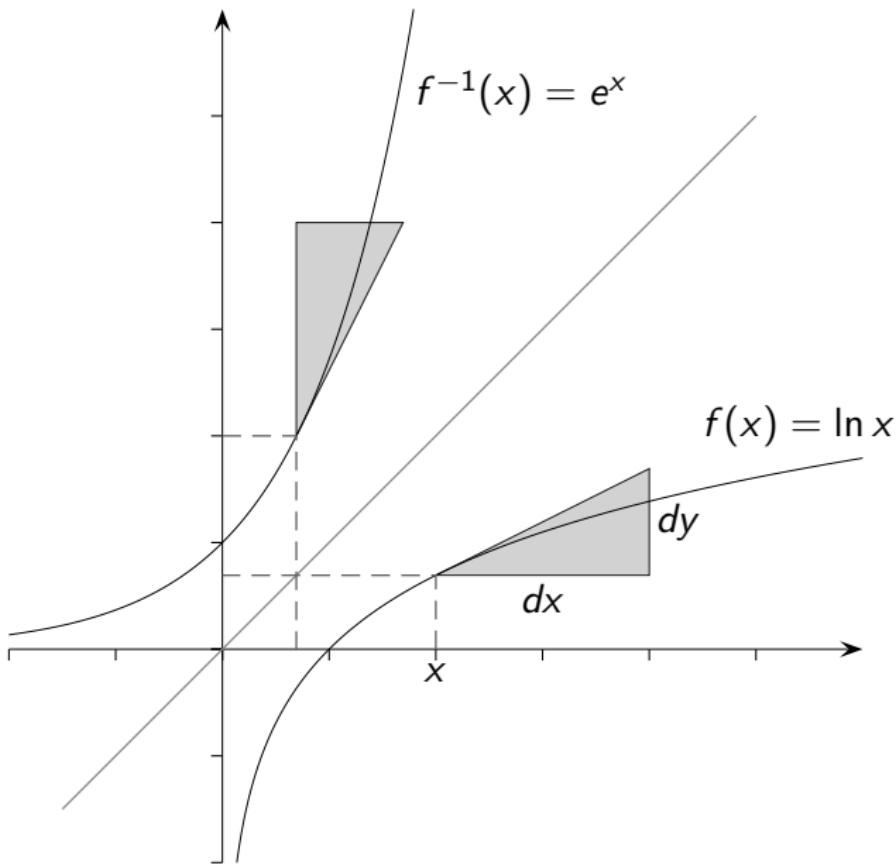


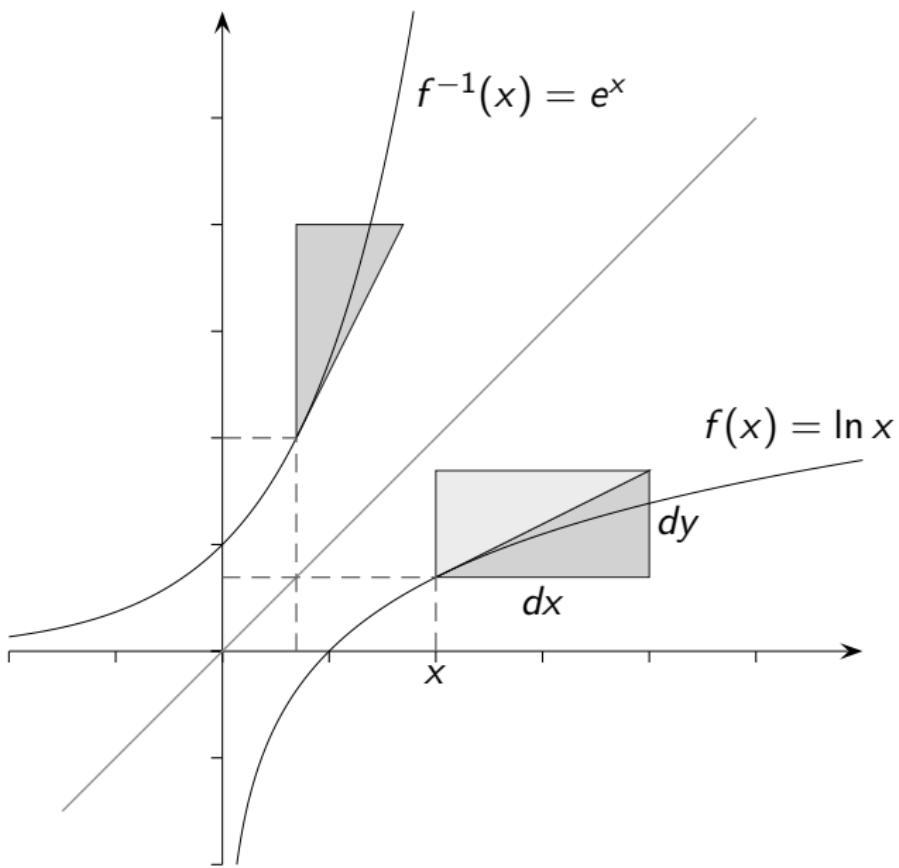


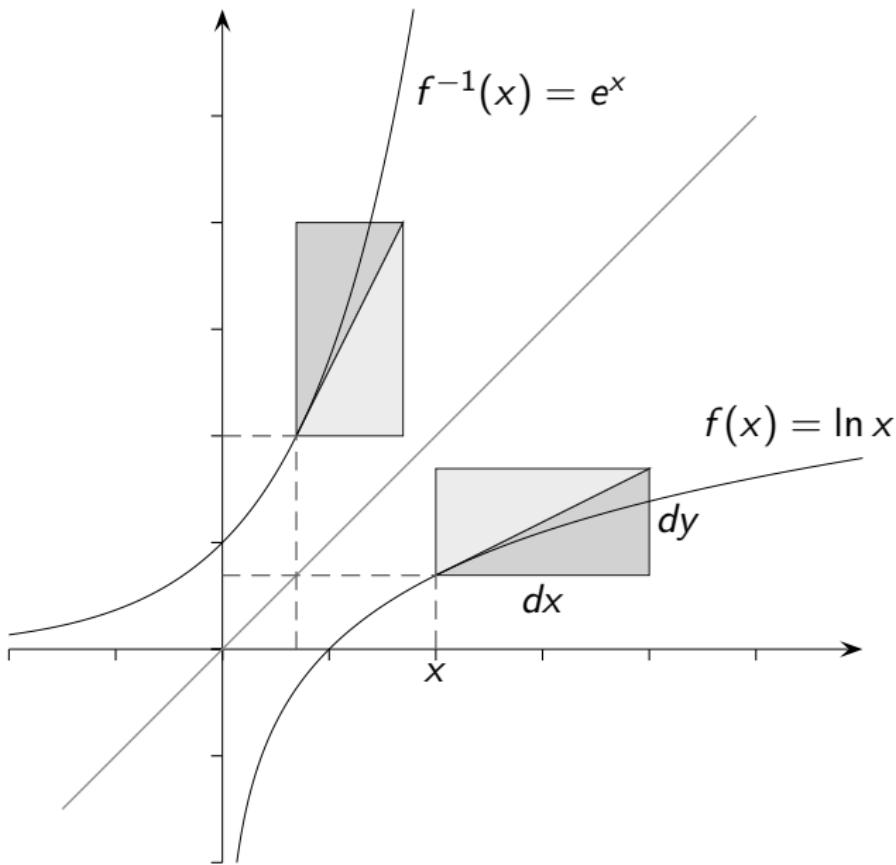


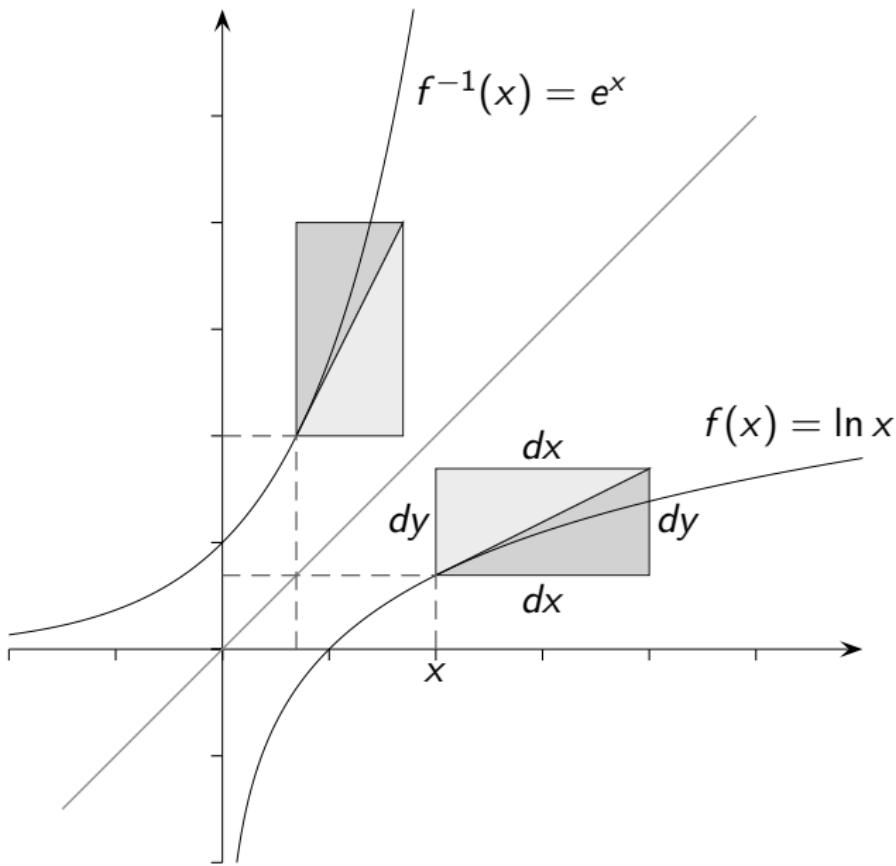


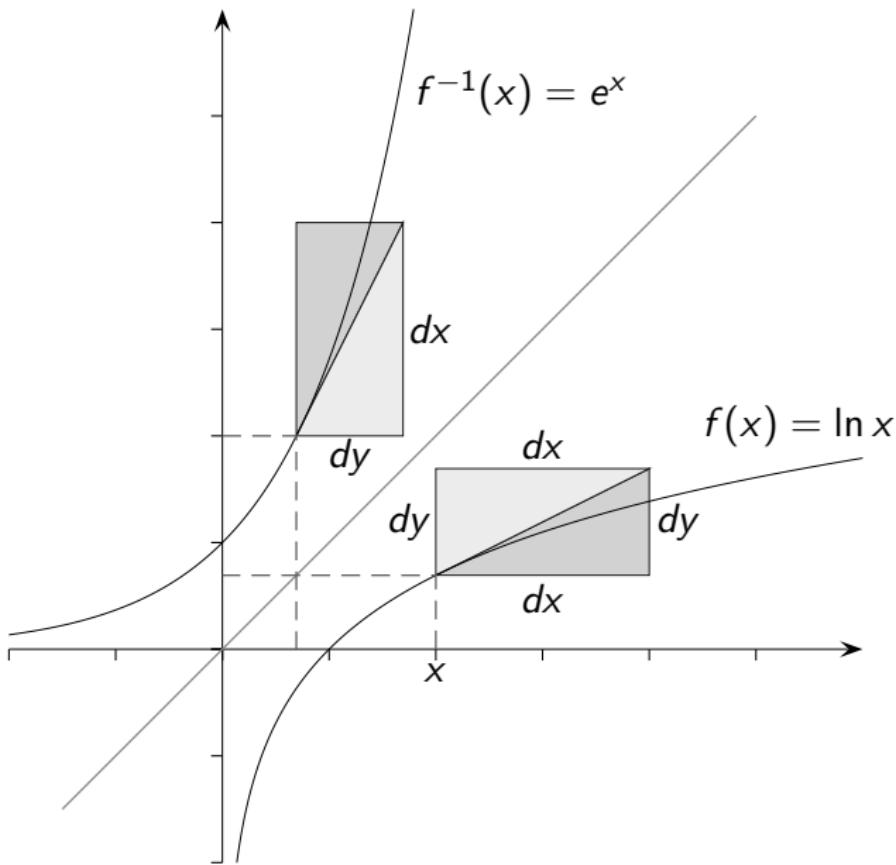


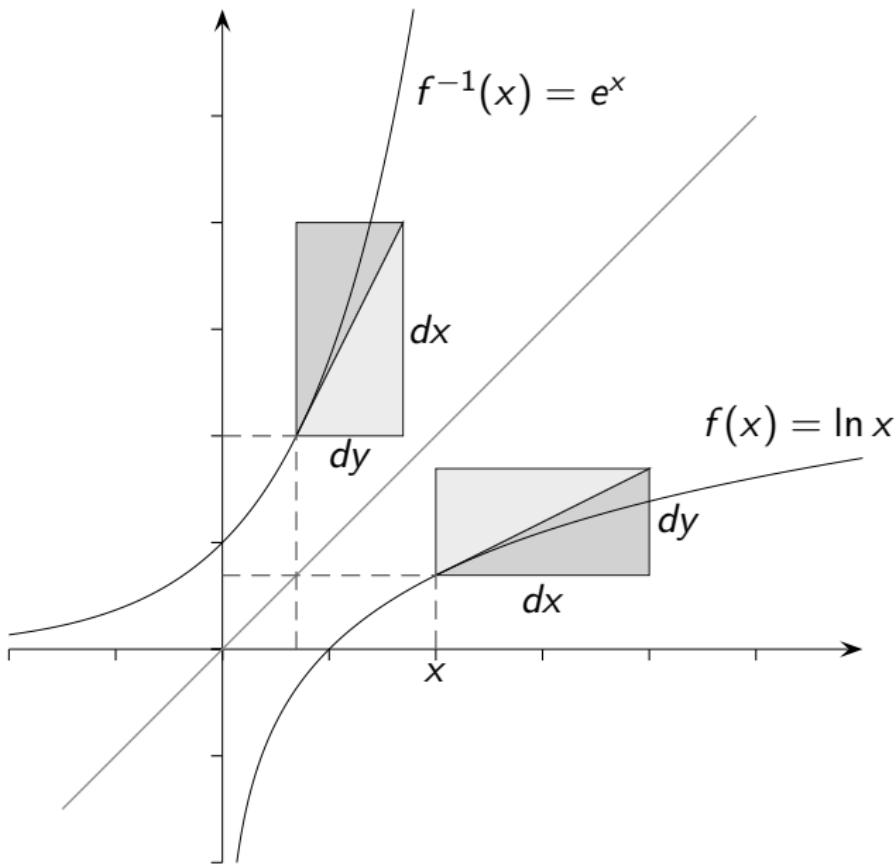


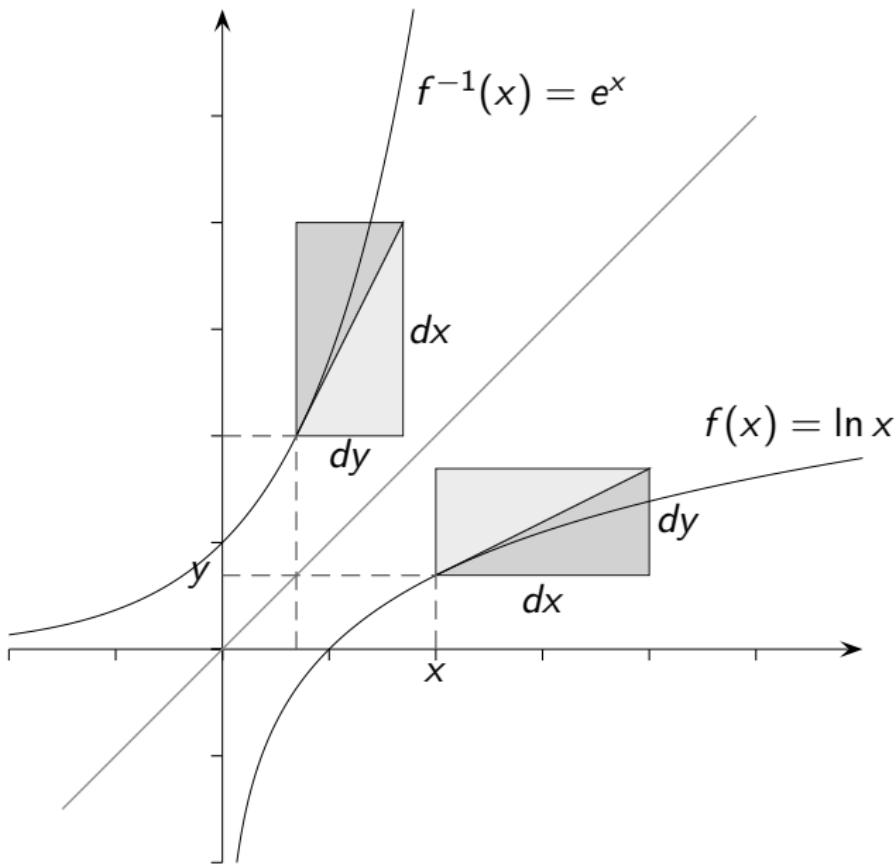


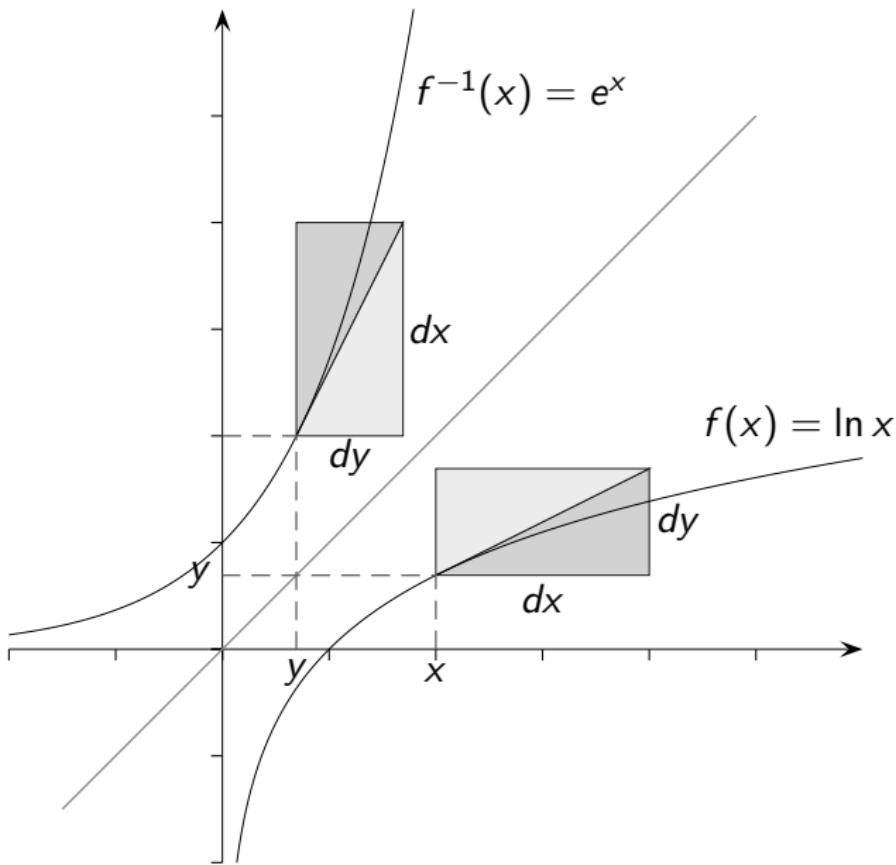


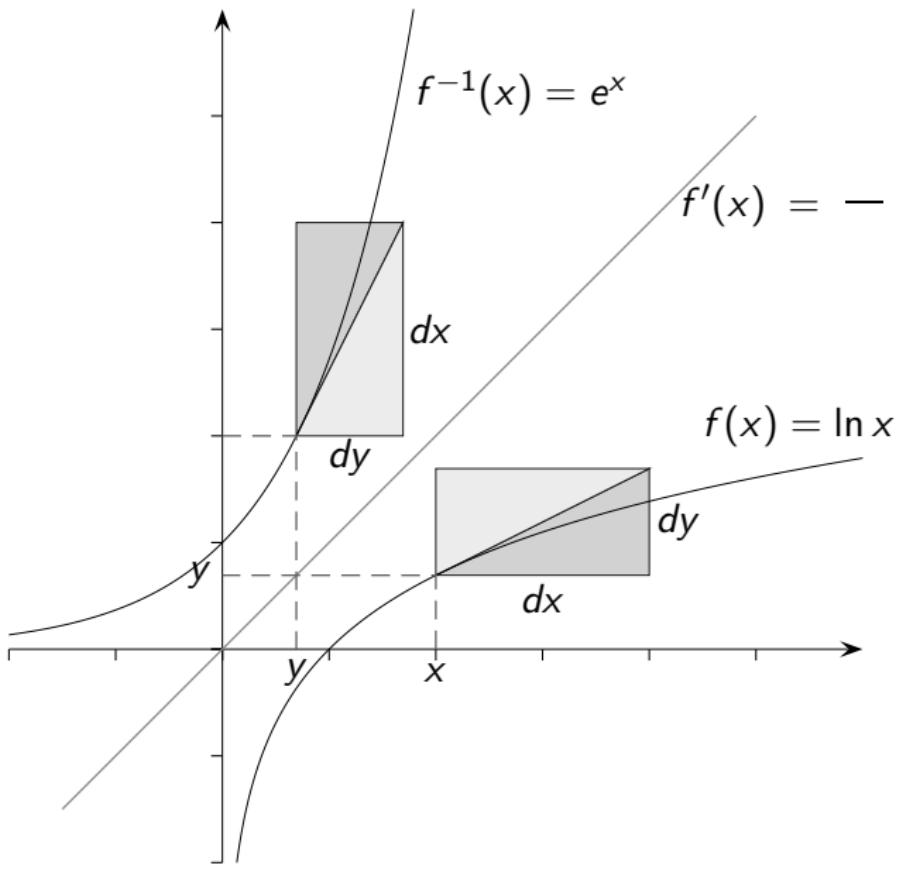


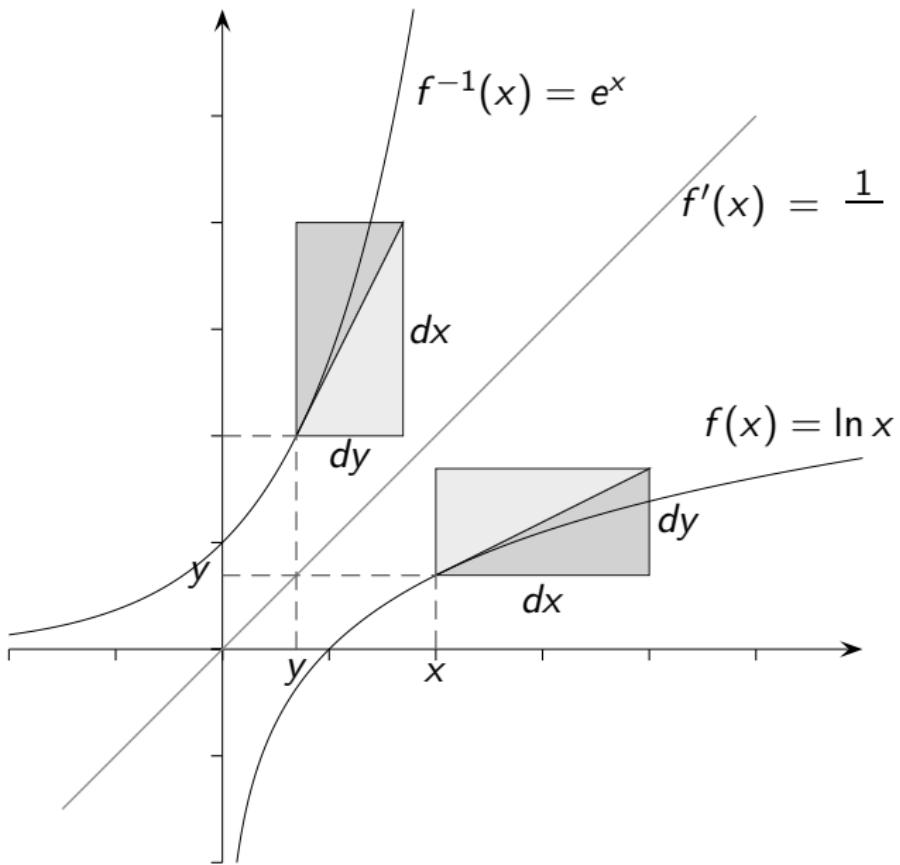


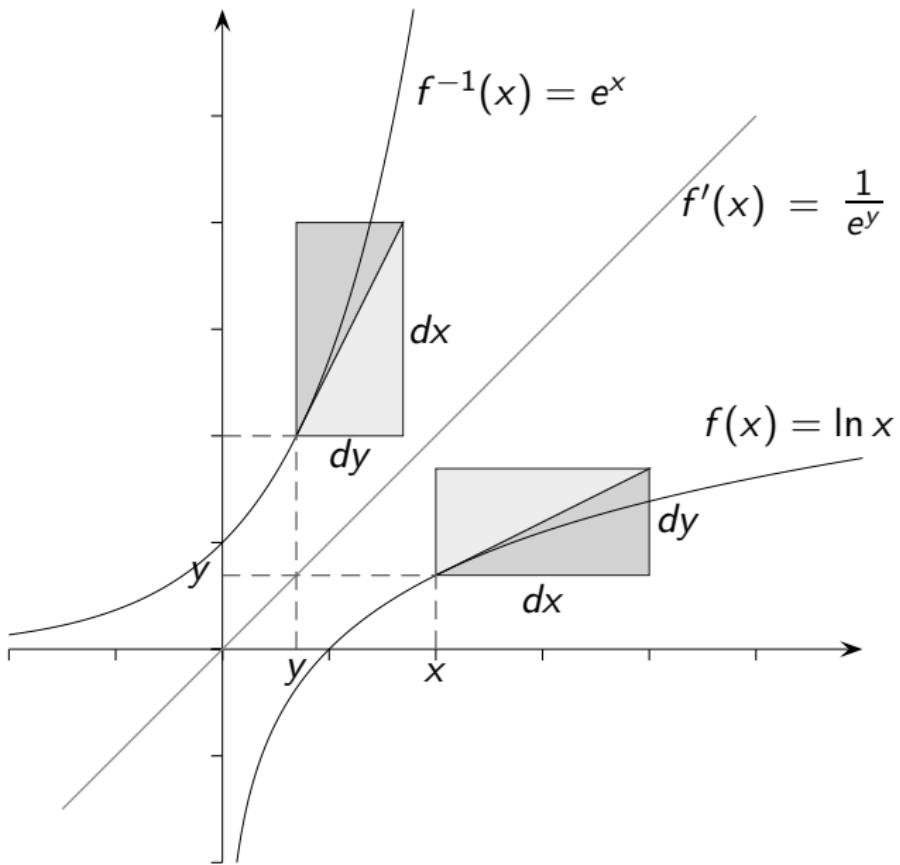


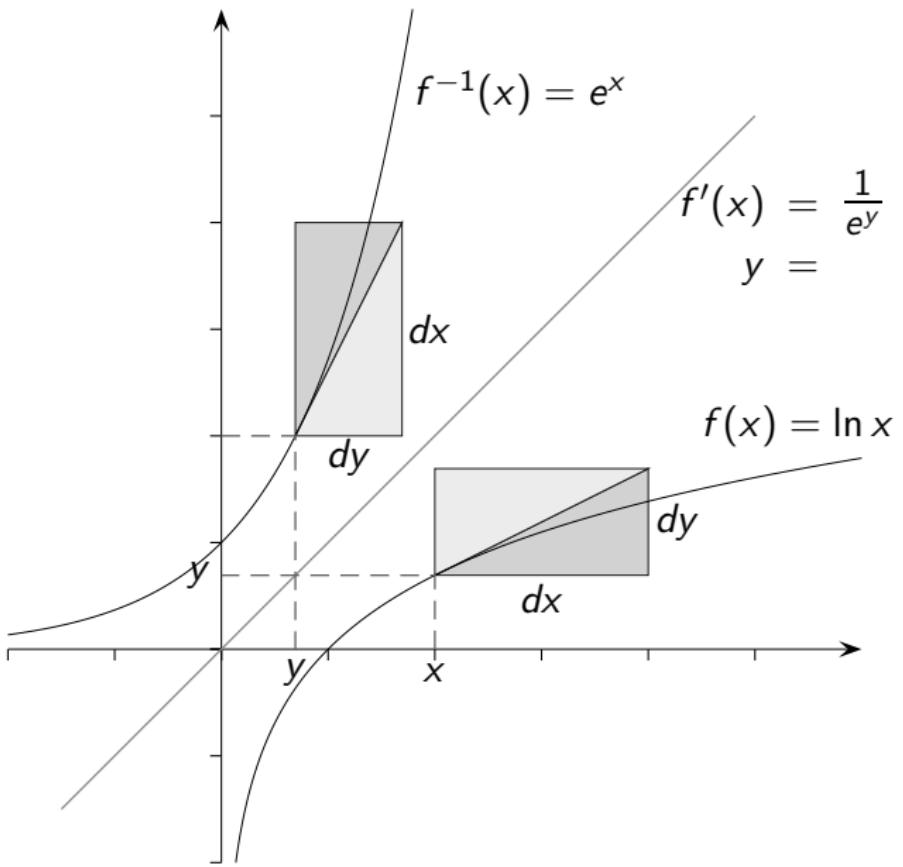


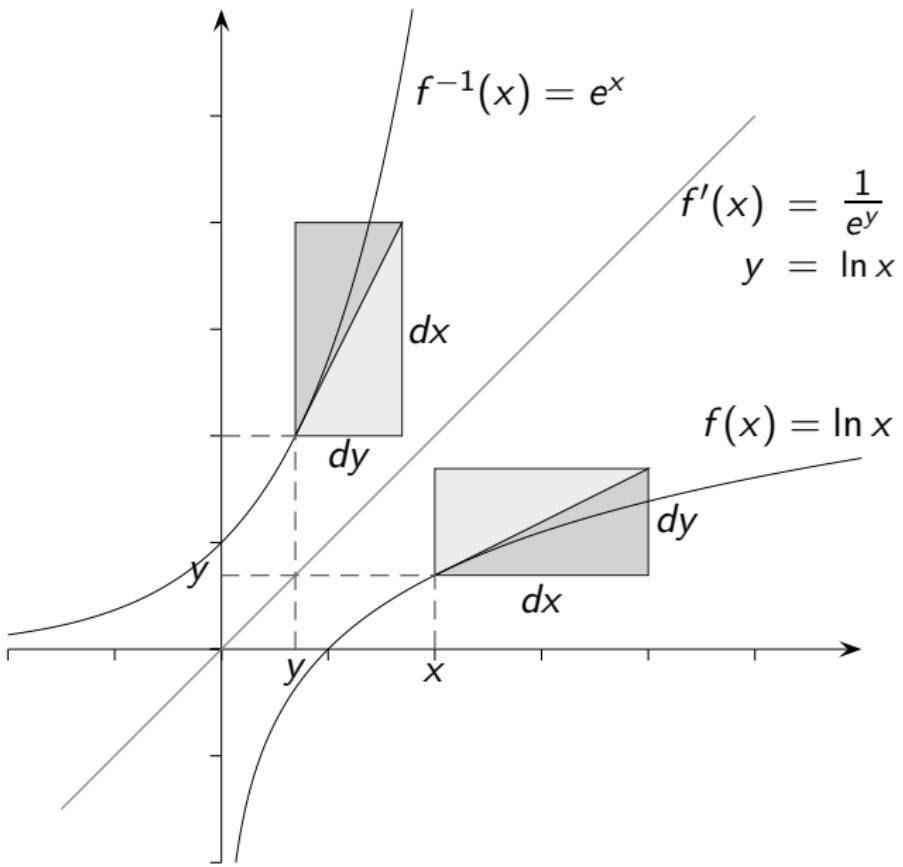


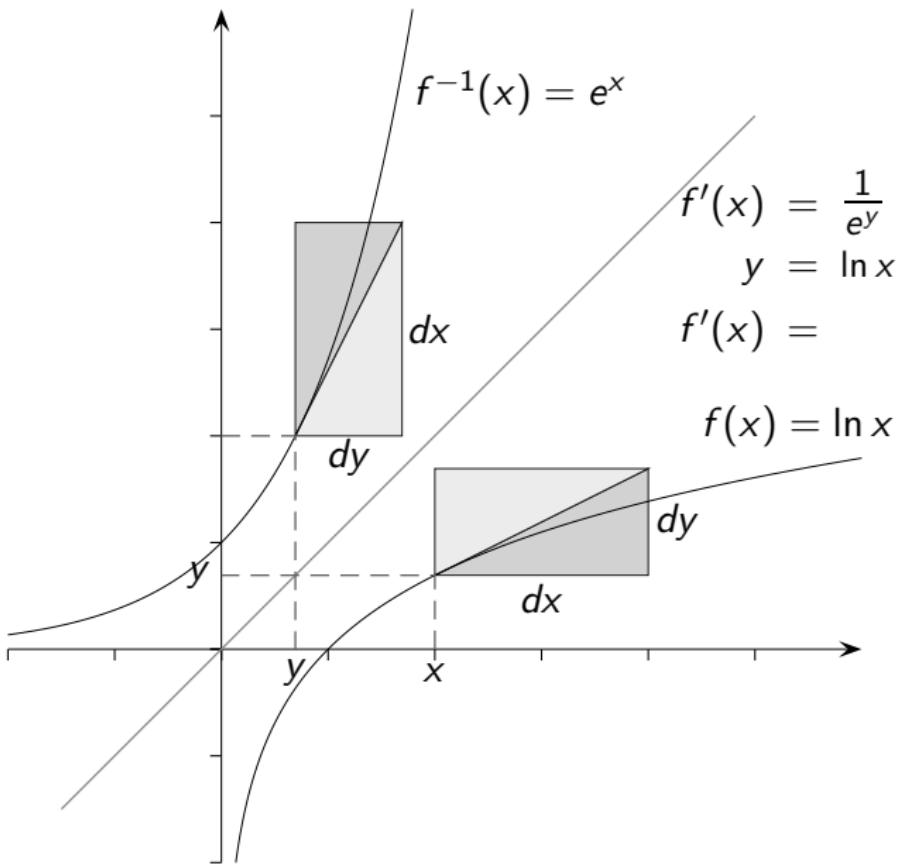


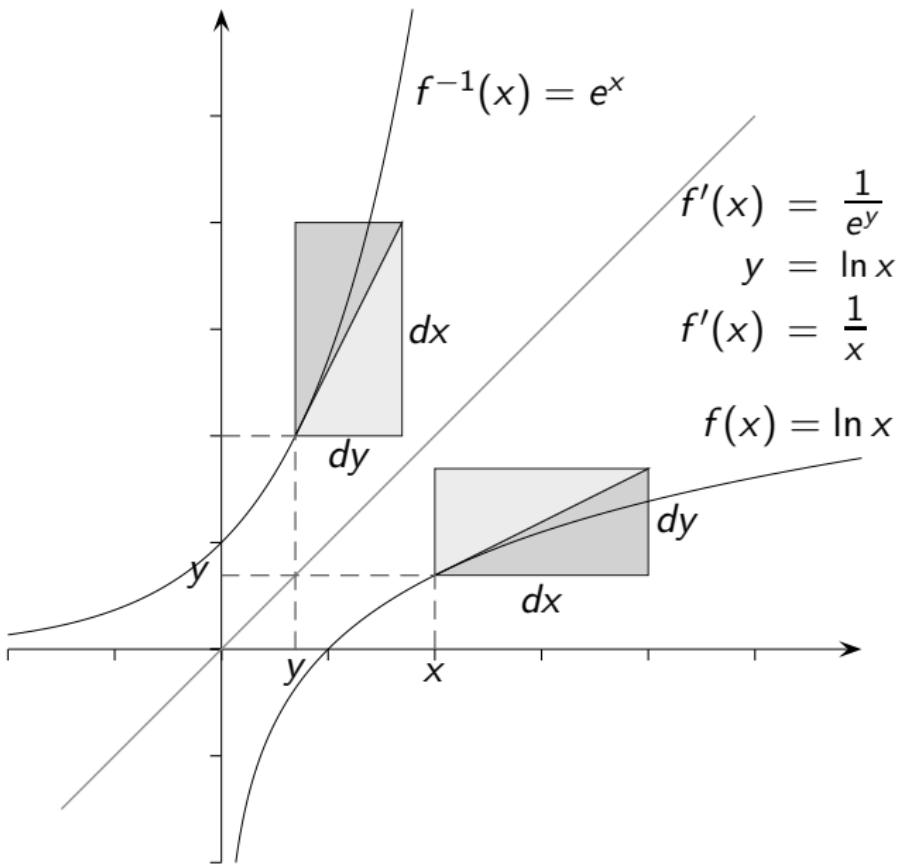












$$(\ln x)' = \frac{1}{x} \quad \text{Begründung:}$$

$$e^{\ln x} =$$

$$(\ln x)' = \frac{1}{x} \quad \text{Begründung:}$$

$$e^{\ln x} = x$$

$$(\ln x)' = \frac{1}{x} \quad \text{Begründung:}$$

$$e^{\ln x} = x \quad | \quad (\)'$$

$$(\ln x)' = \frac{1}{x} \quad \text{Begründung:}$$

$$e^{\ln x} = x \quad | \quad ()'$$

$$e^{\ln x}$$

$$(\ln x)' = \frac{1}{x} \quad \text{Begründung:}$$

$$e^{\ln x} = x \quad | \quad (\)'$$

$$e^{\ln x} (\ln x)' =$$

$$(\ln x)' = \frac{1}{x} \quad \text{Begründung:}$$

$$e^{\ln x} = x \quad | \quad (\)'$$

$$e^{\ln x} (\ln x)' = 1 \quad (\text{Kettenregel})$$

$$(\ln x)' = \frac{1}{x} \quad \text{Begründung:}$$

$$e^{\ln x} = x \quad | \quad (\)'$$

$$e^{\ln x} (\ln x)' = 1 \quad (\text{Kettenregel})$$

$$(\ln x)' =$$

$$(\ln x)' = \frac{1}{x} \quad \text{Begründung:}$$

$$e^{\ln x} = x \quad | \quad (\)'$$

$$e^{\ln x} (\ln x)' = 1 \quad (\text{Kettenregel})$$

$$(\ln x)' = \frac{1}{x}$$