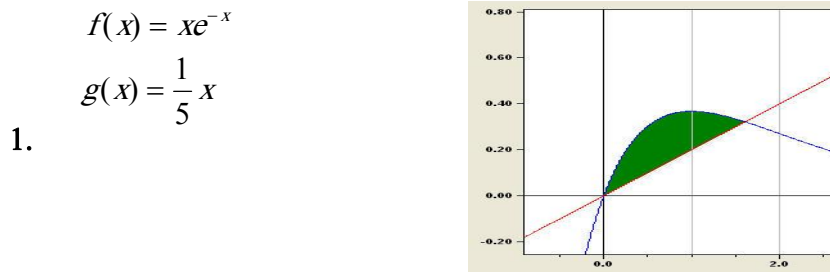


Name:

Datum:

Klapptest – Flächeninhalt (Exponentialfunktion)

Falte zuerst das Blatt entlang der Linie.
 Bestimme die von beiden Grafen eingeschlossene Fläche..
 Kontrolliere anschließend die Ergebnisse.
 Notiere zum Schluss die Anzahl der richtigen Aufgaben.



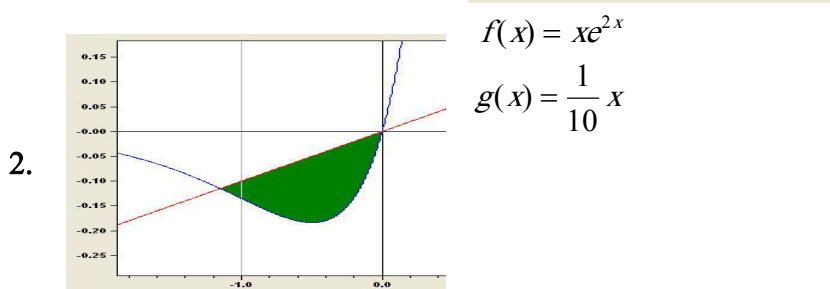
$$F(x) = -(x+1)e^{-x} + c$$

$$G(x) = \frac{1}{10}x^2 + c$$

$$u = 0$$

$$o = 1,6094$$

$$A = 0,219 \text{ FE}$$



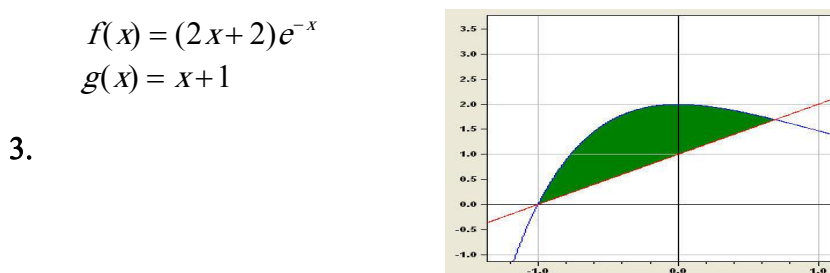
$$F(x) = \left(\frac{1}{2}x - \frac{1}{4}\right)e^{2x} + c$$

$$G(x) = \frac{1}{20}x^2 + c$$

$$u = -1,1513$$

$$o = 0$$

$$A = 0,101 \text{ FE}$$



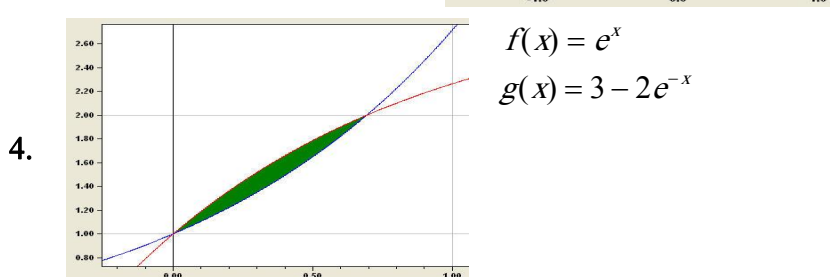
$$F(x) = -(2x+4)e^{-x} + c$$

$$G(x) = \frac{1}{2}x^2 + x + c$$

$$u = -1$$

$$o = \ln(2)$$

$$A = 1,31 \text{ FE}$$



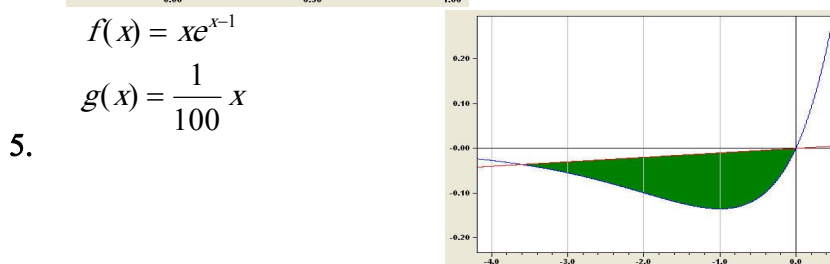
$$F(x) = e^x + c$$

$$G(x) = 3x + 2e^{-x} + c$$

$$u = 0$$

$$o = \ln(2)$$

$$A = 0,0794 \text{ FE}$$



$$F(x) = (x-1)e^{x-1} + c$$

$$G(x) = \frac{1}{200}x^2 + c$$

$$u = -3,60517$$

$$o = 0$$

$$A = 0,257 \text{ FE}$$

/ 5

