

## Antwoorden:

1.  $f(x) = -3e^{-x}$   $F(x) = 3e^{-x} - 4$
2.  $f(x) = \frac{1}{x \cdot \ln 5}$   $F(x) = {}^5 \log 3x$
3.  $f(x) = \frac{1}{(6-x)^2}$   $F(x) = \frac{1}{6-x}$
4.  $f(x) = \ln 5 \cdot 5^x$   $F(x) = 5^x$
5.  $f(x) = 3 \cdot \ln 8 \cdot 8^x$   $F(x) = 3 \cdot 8^x$
6.  $f(x) = \ln(3,8) \cdot (3,8)^x$   $F(x) = (3,8)^x$
7.  $f(x) = 6 \cdot \ln 8 \cdot 8^{2x-1}$   $F(x) = 3 \cdot 8^{2x-1}$
8.  $f(x) = 10 \cdot \ln 3 \cdot 3^{2x}$   $F(x) = 5 \cdot 3^{2x}$
9.  $f(x) = \frac{-1}{1-x}$   $F(x) = \ln|1-x|$
10.  $f(x) = \frac{1}{\ln 7} \cdot \frac{1}{1+2x} \cdot 2$   $F(x) = {}^7 \log(1+2x)$
11.  $f(x) = 12x^3 - 6x^2 + 2x$   $F(x) = 3x^4 - 2x^3 + x^2 - 5$
12.  $f(x) = 2\frac{1}{2}x\sqrt{x} + 3x^2$   $F(x) = x^2\sqrt{x} + (x\sqrt{x})^2$
13.  $f(x) = \frac{-3}{2x^2}$   $F(x) = \frac{3}{2x}$
14.  $f(x) = \frac{-3}{x^4}$   $F(x) = \frac{1}{x^3}$
15.  $f(x) = \frac{-4}{9x^5}$   $F(x) = \frac{1}{(3x^2)}$
16.  $f(x) = 7\frac{1}{2}x\sqrt{x}$   $F(x) = 3x\sqrt{x^3}$
17.  $f(x) = \frac{2}{5}\sqrt[5]{\frac{3}{x^3}}$   $F(x) = \sqrt[5]{3x^2}$
18.  $f(x) = \frac{-3}{2x\sqrt{x}}$   $F(x) = \frac{3}{\sqrt{x}}$
19.  $f(x) = \frac{-3}{2x^2} + \frac{2}{x^3}$   $F(x) = \frac{3x-2}{2x^2}$