

Differentieer: oefening 8

1. $f(x) = 5 \cdot 3^{2x}$
2. $f(x) = {}^7 \log(1 + 2x)$
3. $f(x) = x \cdot \ln(-x)$
4. $f(x) = 2x \cdot e^x + 6$
5. $f(x) = \ln(1 - x)$
6. $f(x) = e^x \cdot \ln(4x + 3)$
7. $f(x) = \frac{x}{e^x}$
8. $f(x) = 5^x \cdot {}^2 \log x$

9. $f(x) = 7 + 3 \cdot 8^{2x-1}$
10. $g(x) = {}^3 \log(1 - 3x)$
11. $h(x) = x^2 \cdot e^{x^2}$
12. $k(x) = (9 + 3x - 2x^2) \cdot e^x$
13. $l(x) = \sin x \cdot e^{3x^2-x}$
14. $m(x) = x^2 \cdot \ln x - 5$
15. $f(x) = \frac{5}{4^x}$

16. $f(x) = \frac{2}{\ln x}$

17. $f(x) = {}^x \log 5$

18. $f(x) = \frac{5^x}{x^5}$
19. $f(x) = {}^2 \log x + e^\pi$
20. $f(x) = \pi^x + x^\pi$
21. $f(x) = {}^3 \log(1 - 2x^2)$
22. $f(x) = x^5 \cdot {}^2 \log x$
23. $f(x) = \frac{\ln x}{4^x}$
24. $f(x) = 5^x \cdot x^5 \cdot \ln x$
25. $f(x) = {}^7 \log 7^x$