

Differentieer: oefening 2

1. $f(x) = 3x^4 - 2x^3 + x^2 - 5$

2. $f(x) = (x^3 - 2)^3$

3. $f(x) = x^2\sqrt{x} + (x\sqrt{x})^2$

4. $f(x) = \frac{3}{2x}$

5. $f(x) = \frac{1}{x^3}$

6. $f(x) = \frac{1}{(3x^2)}$

7. $f(x) = \frac{x^3 - 3x^2 + x - 3}{x^2}$

8. $f(x) = 3x\sqrt{x^3}$

9. $f(x) = \sqrt[5]{3x^2}$

10. $f(x) = 5x^2 + (3x - 2)^3$

11. $f(x) = \frac{3}{\sqrt{x}}$

12. $f(x) = (x^2 - 2)^3$

13. $f(x) = \frac{3x - 2}{2x^2}$

14. $f(x) = x^2 \cdot \sqrt{3x}$

15. $g(x) = -0,5x^3 + 3x^2 - x + 6$

16. $K(q) = (2q - 1)^5 \cdot \sqrt{q}$

17. $T(t) = \frac{4t^2 - 6t + 1}{t}$

18. $f(x) = \frac{1 + \sin x}{1 - \sin x}$

19. $g(x) = -0,5x^3 + 3x^2 - x + 6$

20. $K(q) = (2q - 1)^5 \cdot \sqrt{q}$