

Differentieer: oefening 1

1. $f(x) = \sqrt{16 - x^2}$

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

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

4. $f(x) = \tan(\pi - x)$

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

6. $f(x) = \sin(-x) + \cos(-x)$

7. $f(x) = x^4 - 5x^3 + x - 7$

8. $g(x) = (x^3 + 2x)^2$

9. $h(x) = 4x^2\sqrt{x}$

10. $k(x) = \frac{1}{x} - \frac{1}{x^2}$

11. $f(x) = 2x^3 - 8x^2 + 5$

12. $g(x) = (x^3 - 5)(x^2 + x)$

13. $f(x) = \frac{x^3 - 3x^2 + 5}{x^2}$

14. $k(x) = \sqrt[3]{x^4}$

15. $f(x) = 3x^4 - 7x^2 + x$

16. $g(x) = (x^3 - 5)(x^2 + x)$

17. $f(x) = \frac{x^4 - 3x^3 + 7}{2x^2}$

18. $k(x) = \sqrt[5]{x^4}$

19. $f(x) = \frac{x^6 - 1}{x - 1}$

20. $f(x) = (x + 1)^3$