Derivadas con números complejos

1. $\frac{d}{dz}(c) = 0$
2. $\frac{d}{dz}z^n = nz^{n-1}$
3. $\frac{d}{dz}e^z = e^z$
4. $\frac{d}{dz}a^z = a^z \ln a$
5. $\frac{d}{dz}\operatorname{sen} z = \cos z$
6. $\frac{d}{dz}\cos z = -\operatorname{sen} z$
7. $\frac{d}{dz}\tan z = \sec^2 z$
8. $\frac{d}{dz}\cot z = -\csc^2 z$
9. $\frac{d}{dz}\sec z = \sec z \tan z$
10. $\frac{d}{dz}\csc z = -\csc z \cot z$
11. $\frac{d}{dz}\log_e z = \frac{d}{dz}\ln z = \frac{1}{z}$
12. $\frac{d}{dz}\log_a z = \frac{\log_a e}{z}$
13. $\frac{d}{dz}\operatorname{sen}^{-1} z = \frac{1}{\sqrt{1-z^2}}$
14. $\frac{d}{dz}\cos^{-1} z = \frac{-1}{\sqrt{1-z^2}}$
15. $\frac{d}{dz}\tan^{-1} z = \frac{1}{1+z^2}$
16. $\frac{d}{dz}\cot^{-1} z = \frac{-1}{1+z^2}$
17. $\frac{d}{dz}\sec^{-1} z = \frac{1}{z\sqrt{z^2-1}}$
18. $\frac{d}{dz}\csc^{-1} z = \frac{-1}{z\sqrt{z^2-1}}$
19. $\frac{d}{dz}\operatorname{senh} z = \cosh z$
20. $\frac{d}{dz}\cosh z = \operatorname{senh} z$
21. $\frac{d}{dz}\tanh z = \operatorname{sech}^2 z$
22. $\frac{d}{dz}\coth z = -\operatorname{csch}^2 z$
23. $\frac{d}{dz}\operatorname{sech} z = -\operatorname{sech} z \tanh z$
24. $\frac{d}{dz}\operatorname{csch} z = -\operatorname{csch} z \coth z$
25. $\frac{d}{dz}\operatorname{senh}^{-1} z = \frac{1}{\sqrt{1+z^2}}$
26. $\frac{d}{dz}\cosh^{-1} z = \frac{1}{\sqrt{z^2-1}}$
27. $\frac{d}{dz}\tanh^{-1} z = \frac{1}{1-z^2}$
28. $\frac{d}{dz}\coth^{-1} z = \frac{1}{1-z^2}$
29. $\frac{d}{dz}\operatorname{sech}^{-1} z = -\frac{-1}{z\sqrt{1-z^2}}$
30. $\frac{d}{dz}\operatorname{csch}^{-1} z = \frac{-1}{z\sqrt{z^2+1}}$