1. const' = 0 ([константа](https://bg.wikipedia.org/wiki/%D0%9A%D0%BE%D0%BD%D1%81%D1%82%D0%B0%D0%BD%D1%82%D0%B0)), защото нарастването на всяка константа е 0.
2. (*a*x)′ = ax ln a , в частност, (ex)′ = ex
3. (logax)′ = 1/(x ln a) ([логаритъм](https://bg.wikipedia.org/wiki/%D0%9B%D0%BE%D0%B3%D0%B0%D1%80%D0%B8%D1%82%D1%8A%D0%BC)), в частност, (ln x)′ = 1/x
4. (xa)′ = axa−1
5. (\sqrt{x})^' = \frac{1}{2\sqrt{x}}
6. (sin x)′ = cos x ([синус](https://bg.wikipedia.org/wiki/%D0%A1%D0%B8%D0%BD%D1%83%D1%81))
7. (cos x)′ = −sin x ([косинус](https://bg.wikipedia.org/wiki/%D0%9A%D0%BE%D1%81%D0%B8%D0%BD%D1%83%D1%81))
8. (tg x)′ = \frac{1}{\cos^{2}x} ([тангенс](https://bg.wikipedia.org/wiki/%D0%A2%D0%B0%D0%BD%D0%B3%D0%B5%D0%BD%D1%81))
9. (cоtg x)′ = -\frac{1}{\sin^{2}x} ([котангенс](https://bg.wikipedia.org/wiki/%D0%9A%D0%BE%D1%82%D0%B0%D0%BD%D0%B3%D0%B5%D0%BD%D1%81))
10. (arcsin x)′ = \frac{1}{\sqrt{1-x^{2}}} ([аркуссинус](https://bg.wikipedia.org/wiki/%D0%90%D1%80%D0%BA%D1%83%D1%81%D1%81%D0%B8%D0%BD%D1%83%D1%81))
11. (arccos x)′ = -\frac{1}{\sqrt{1-x^{2}}} ([аркускосинус](https://bg.wikipedia.org/wiki/%D0%90%D1%80%D0%BA%D1%83%D1%81%D0%BA%D0%BE%D1%81%D0%B8%D0%BD%D1%83%D1%81))
12. (arctg x)′ = \frac{1}{1+x^{2}} ([аркустангенс](https://bg.wikipedia.org/wiki/%D0%90%D1%80%D0%BA%D1%83%D1%81%D1%82%D0%B0%D0%BD%D0%B3%D0%B5%D0%BD%D1%81))
13. (arcctg x)′ = -\frac{1}{1+x^{2}} ([аркускотангенс](https://bg.wikipedia.org/wiki/%D0%90%D1%80%D0%BA%D1%83%D1%81%D0%BA%D0%BE%D1%82%D0%B0%D0%BD%D0%B3%D0%B5%D0%BD%D1%81))