

REGLAS DE DERIVACIÓN

1. $D_x[c] = 0$

2. $D_x[x] = 1$

3. $D_x[x^n] = nx^{n-1}$

4. $D_x[cf(x)] = cD_x[f(x)]$

5. $D_x[f(x) \pm g(x)] = D_x[f(x)] \pm D_x[g(x)]$

6. $D_x[f(x)g(x)] = f(x)D_x[g(x)] + g(x)D_x[f(x)]$

7. $D_x \left[\frac{f(x)}{g(x)} \right] = \frac{g(x)D_x[f(x)] - f(x)D_x[g(x)]}{[g(x)]^2}$

8. $D_x[e^x] = e^x$