(f±g)’=f’±g’ |Eq. do plano π(plano tg a S no ponto P):Z=Z0+ (x0,y0)(x-x0)+ (x0,y0)(y-y0) | (x0,y0)= (x0,y0)u1+ (x0,y0)u2 |vetor unitário=u(u1,u2) |Tam=||v||

(f(g(x)))’=(f’(g(x)))g’(x) |f( , , ) Duf=f.u | = (P0x,P0y)u1+ (P0x,P0y)u2 |||v||= |

(f.g)’(x)=f’(x)g(x)+f(x)g’(x) |

(f/g)’(x)=(f’(x)g(x)/f(x)g’(x))/(g(a)2) |

d cx/dx=cx ln c,c>0 |

d sen(x)/dx=cos(x) |

d cos(x)/dx=-sen(x)|

d tg(x)/dx=sec2(x) |

d sec(x)/dx=tg(x)sec (x) |

d cotg(x)/dx=-cossec2(x) |

d cossec(x)/dx=-cossec(x)cotg(x) |

d ex/dx=ex |

d ln(f(x))/dx=f(x)’/f(x) |