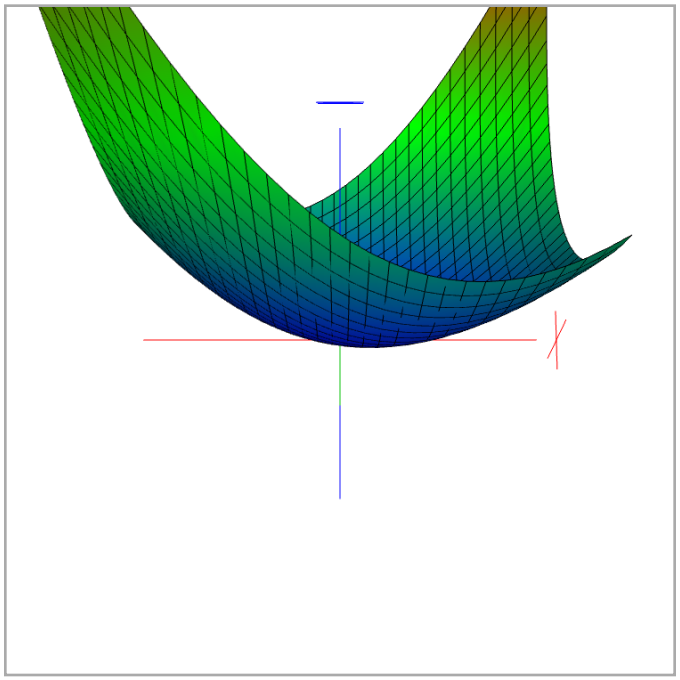
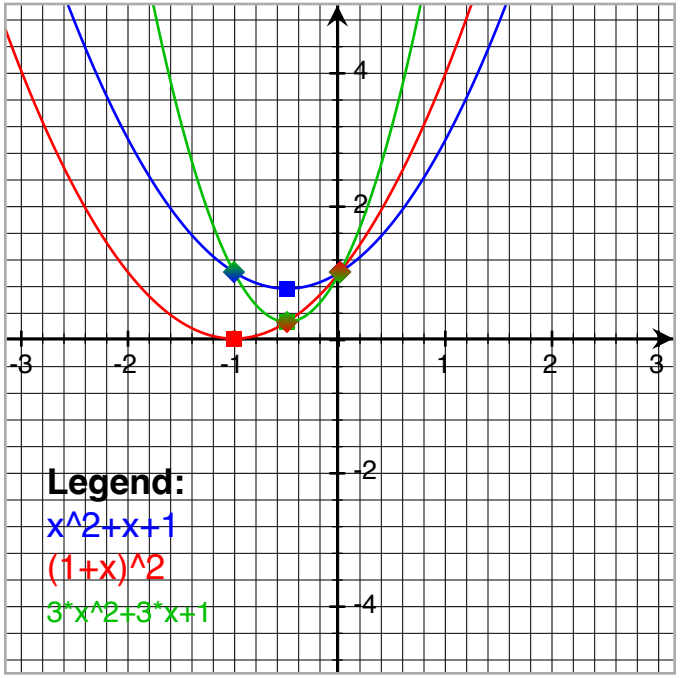


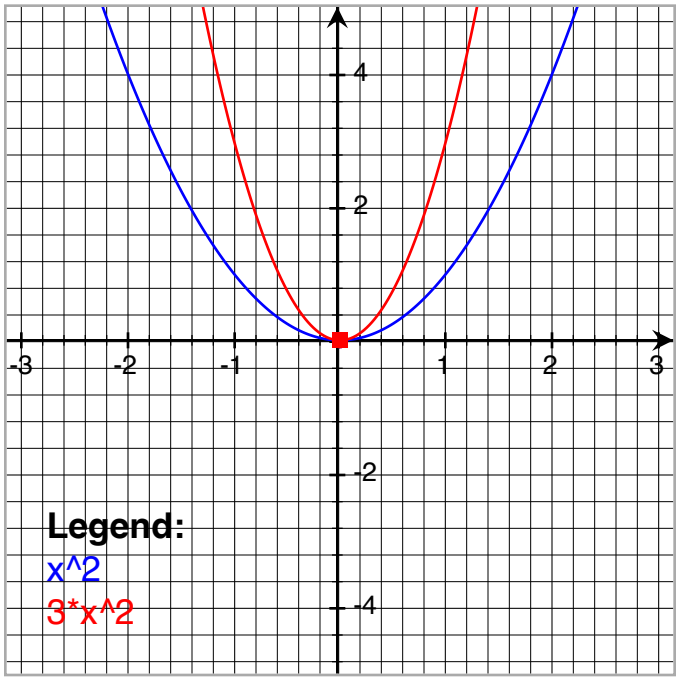
$x^2+x*y+y^2$



x^2+x+1

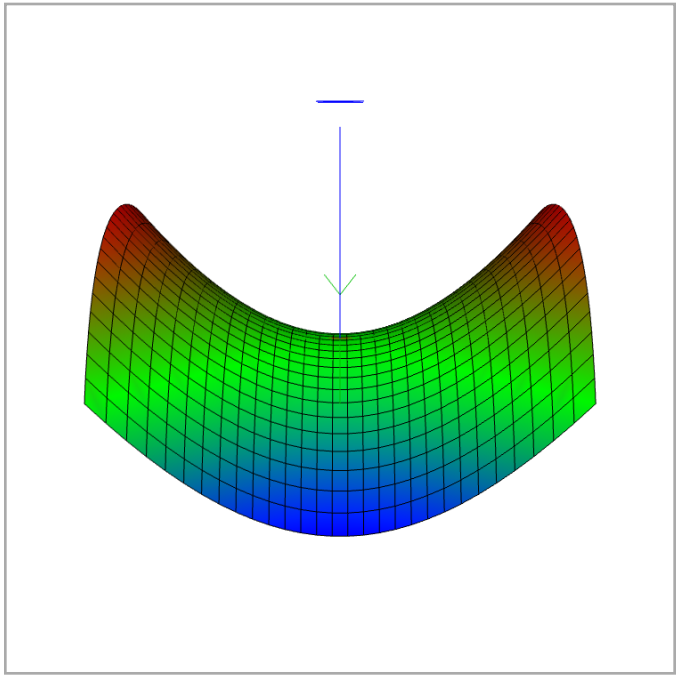
$(1+x)^2$

$3x^2+3x+1$

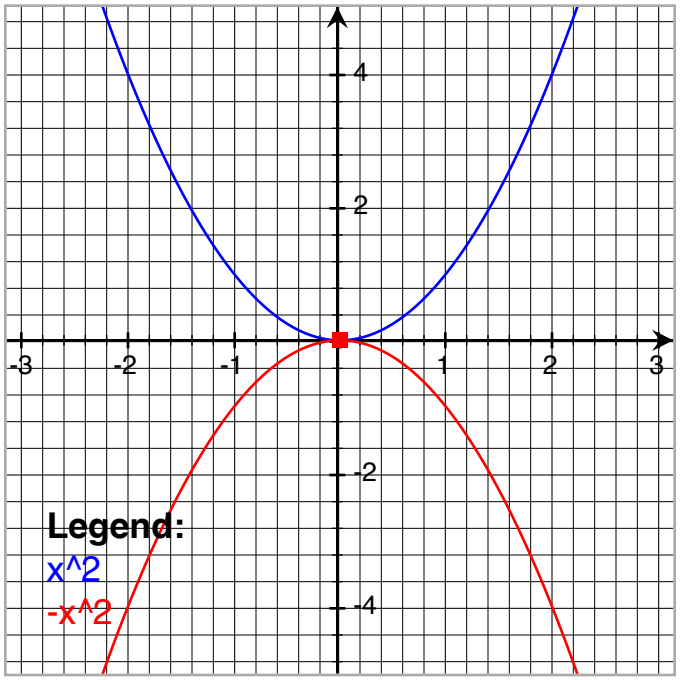


x^2

$3x^2$

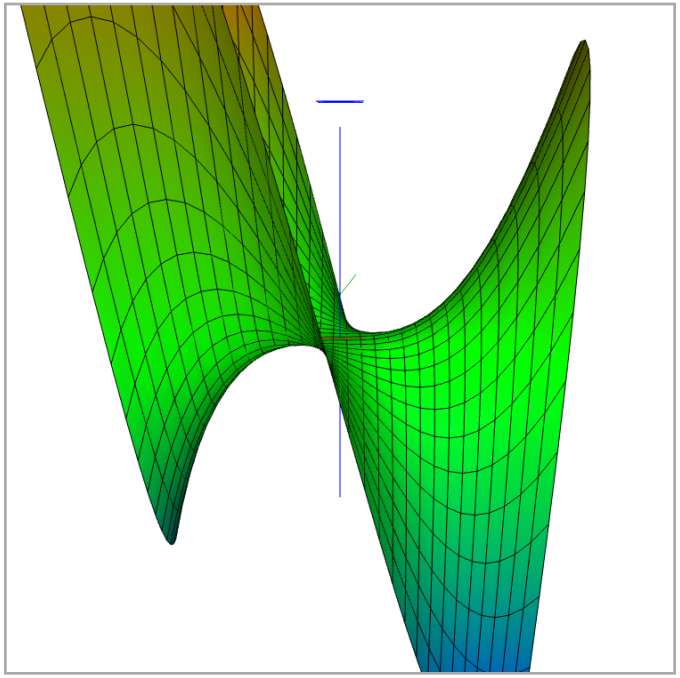


$x^2 - y^2$

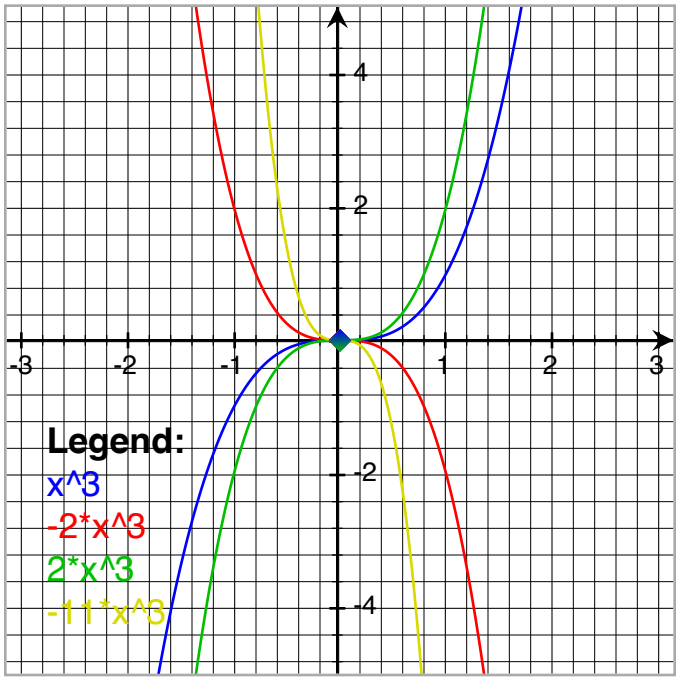


x^2

$-x^2$



$x*\left(x^2-3y^2\right)$

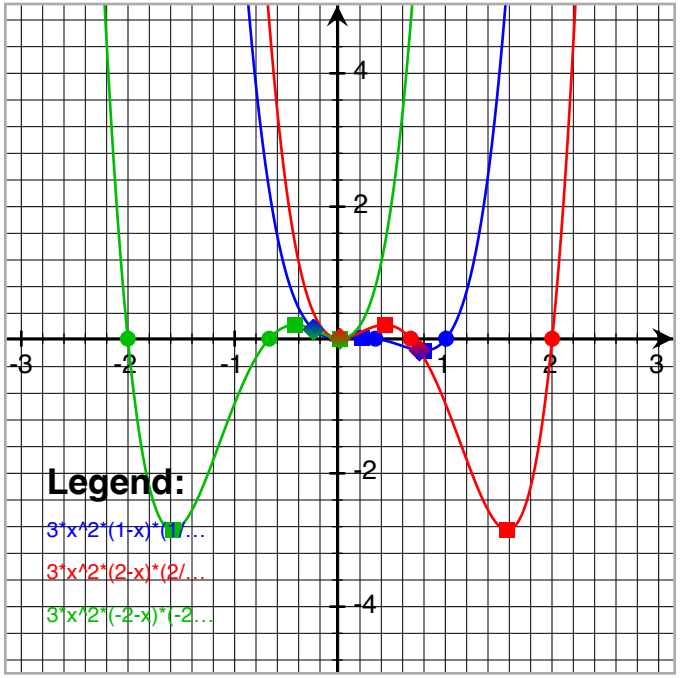


x^3

$-2x^3$

$2x^3$

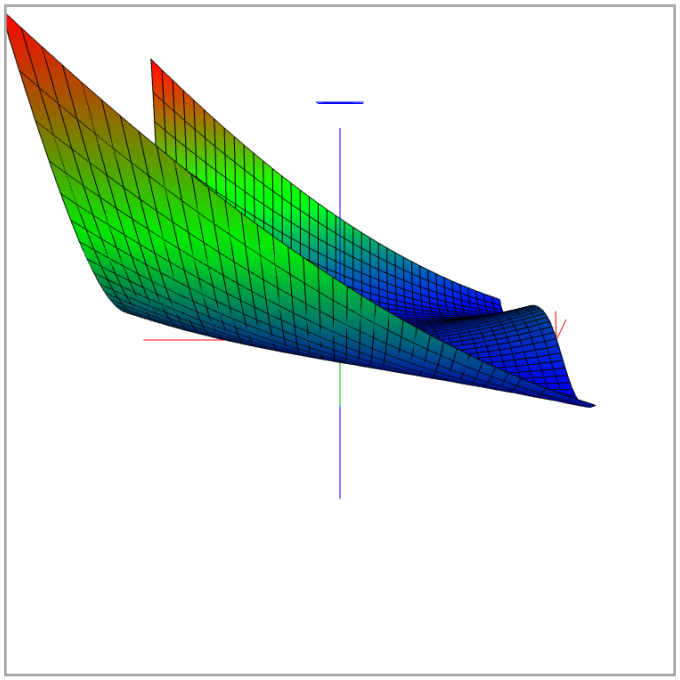
$-11x^3$



$3x^2*(1-x)*\left(\frac{1}{3}-x\right)$

$3x^2*(2-x)*\left(\frac{2}{3}-x\right)$

$3x^2*(-2-x)*\left(-\frac{2}{3}-x\right)$



$$z=\left(x-y^{2}\right)*\left(x-3y^{2}\right)$$