

**PARABOLA  $y = ax^2 + bx + c$**

cerco il

$\Delta = b^2 - 4ac$

può essere

$\Delta > 0$

allora

2 intersezioni **DISTINTE** su asse x

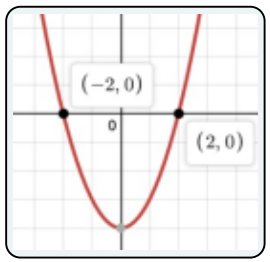
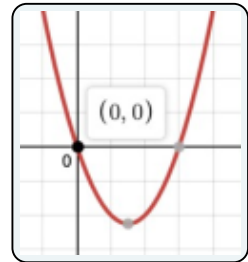
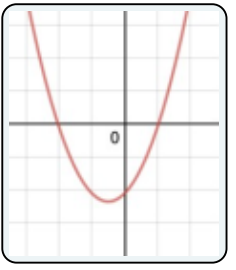
COMPLETA

SPURIA

PURA  
a,c discordi

in particolare

soluzioni opposte!



$\Delta = 0$

allora

2 intersezioni **COINCIDENTI** su asse x

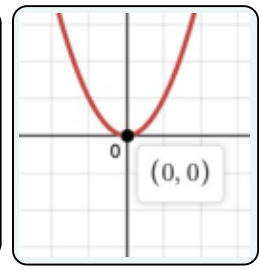
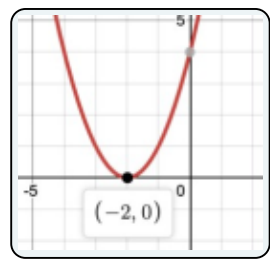
quindi

IL VERTICE SU ASSE X

parabola **TANGENTE** asse x

COMPLETA

MONOMIA



$\Delta < 0$

allora

**NESSUNA** intersezione asse x

COMPLETA

PURA  
a,c concordi

