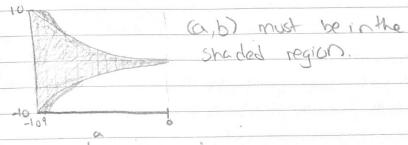
Desmos is a graphing calculator created (founded) by Eli Luberalt who was a math and physics student at Yale. The tool is a web and mobile application written in Javascript. The product was laurched at a Techcrunch conference in 2011. After one year, they receives \$1 million in funding. Desmos is apartle of plotting equations and inequalities as well as lists, plots, regressions, interactive variables, graph restrictions, simultaneous graphing, piecewise functions, plor functions, etc. Users can save graphs by areating an account. Teachers may create a fearly account and account. Teachers may create a fearly account and activity modules can be used in class.

Desmos also has accessibility, features for those with disabilities.

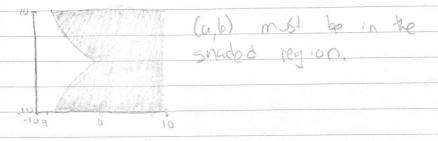
The equation of an elliptic curve is given by:

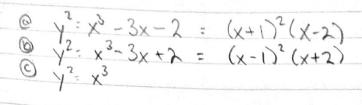
y²: x³+ax+b.

Desmos provida a slider for variable a and b.
In order to produce 3 roots:



In order to produce I not:





discommont: D=-16 (4 a3+2762)

- @ A = -16 (4 (27) + 27 (4))=0
- Θ Δ = -16(4(-27) 127(4)) = 0
- © Δ=-16 (4 (0) + 27 (0)) = 0

discriminant must

By definition, an elliptic curve is required to be non-singular Genetically, this means that the graph can't have cusps, self-interest or isolated points. Algebraicly, the discontinent cont be zero.

So, when (a,b): (-3,-2), (-3,2) or (0,0), the discontinent is zero.