

Cobb Douglas plot

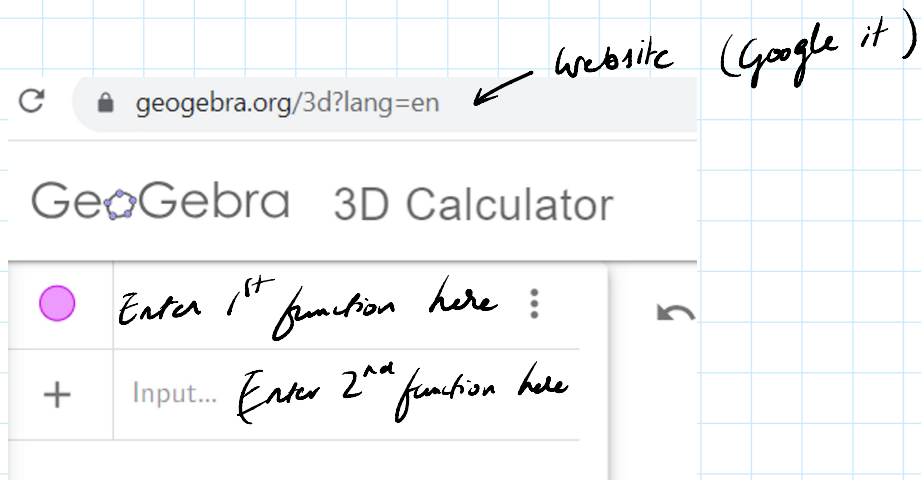
① Create a 3D Plot of a Cobb-Douglas function of the form

$$f(x, y) = Ax^\alpha y^{1-\alpha}, \text{ where } \alpha \in [0, 1]$$

- choose $A > 0$ and $\alpha \in [0, 1]$ yourself

- Go to GEOGEBRA 3D CALCULATOR for this.

② Create another 3D plot of the same function using different values for parameters $A > 0$ and $\alpha \in [0, 1]$



③ Take a screen shot of the plots and attach to your assignment

④ Take a screen shot of the plots from the 'top' i.e. showing the x-y plane

- Compare the 2 functions and write your comments

⑤ Would you characterise them as quasi-concave or quasiconcave?

⑥ If $A = -1$, would you characterize the functions as quasi-concave or quasiconcave?