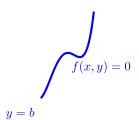
$$f(x, y) = 0$$
의 $y = b$ 에 대칭이동
(Reflection about $y = b$ of $f(x, y) = 0$)

$$y = b$$

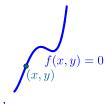
$$T:(x,y)\to(x,2b-y)$$

$$y = b$$

$$T:(x,y)\to(x,2b-y)$$



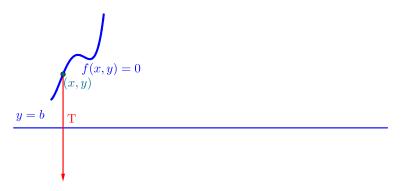
$$T:(x,y)\to(x,2b-y)$$



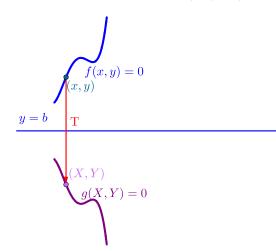
$$y = b$$



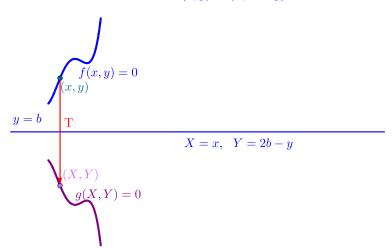
$$T:(x,y)\to(x,2b-y)$$



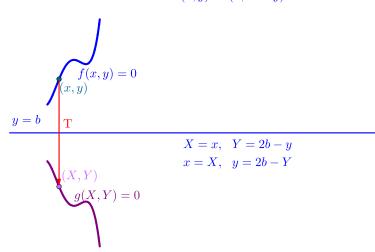
$$T:(x,y)\to(x,2b-y)$$



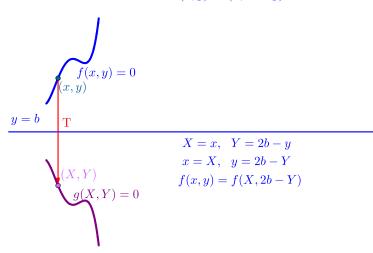
$$T:(x,y)\to(x,2b-y)$$



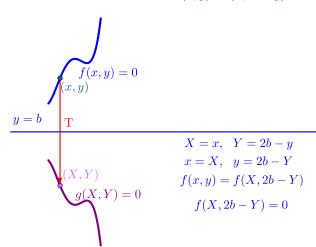
$$T:(x,y)\to(x,2b-y)$$



$$T:(x,y)\to(x,2b-y)$$



$$T:(x,y)\to (x,2b-y)$$





$$T: (x,y) \to (x,2b-y)$$

$$f(x,y) = 0$$

$$T$$

$$X = x, \quad Y = 2b-y$$

$$x = X, \quad y = 2b-Y$$

$$f(x,y) = f(X,2b-Y)$$

$$f(X,2b-Y) = 0$$

g(X,Y) = f(X,2b-Y)

$$T: (x,y) \to (x,2b-y)$$

$$f(x,y) = 0 \to g(x,y) = 0$$

$$T$$

$$X = x, \quad Y = 2b-y$$

$$x = X, \quad y = 2b-Y$$

$$f(x,y) = f(X,2b-Y)$$

$$f(X,2b-Y) = 0$$

$$\therefore g(X,Y) = f(X,2b-Y)$$

$$T: (x,y) \to (x,2b-y)$$

$$f(x,y) = 0 \to g(x,y) = 0$$

$$\{(x,y)|f(x,y) = 0\} \to \{(x,y)|g(x,y) = 0\}$$

$$T$$

$$X = x, \quad Y = 2b - y$$

$$x = X, \quad y = 2b - Y$$

$$f(x,y) = f(X,2b-Y)$$

$$f(X,2b-Y) = 0$$

$$\therefore g(X,Y) = f(X,2b-Y)$$

$$T: (x,y) \to (x,2b-y)$$

$$f(x,y) = 0 \to g(x,y) = 0$$

$$\{(x,y)|f(x,y) = 0\} \to \{(x,y)|g(x,y) = 0\}$$

$$\{(x,y)|f(x,y) = 0\} \to \{(x,y)|f(x,2b-y) = 0\}$$

$$T$$

$$X = x, \quad Y = 2b - y$$

$$x = X, \quad y = 2b - Y$$

$$f(x,y) = f(X,2b-Y)$$

$$f(X,2b-Y) = 0$$

$$\therefore g(X,Y) = f(X,2b-Y)$$

$$T: (x,y) \to (x,2b-y)$$

$$f(x,y) = 0 \to g(x,y) = 0$$

$$\{(x,y)|f(x,y) = 0\} \to \{(x,y)|g(x,y) = 0\}$$

$$\{(x,y)|f(x,y) = 0\} \to \{(x,y)|f(x,2b-y) = 0\}$$

$$T: f(x,y) = 0 \to f(x,2b-y) = 0$$

$$T: f(x,y) = 0 \to f(x,2b-y) = 0$$

$$X = x, \quad Y = 2b - Y$$

$$f(x,y) = f(x,2b-Y)$$

$$f(x,y) = f(x,2b-Y)$$

$$f(x,y) = f(x,2b-Y)$$

$$f(x,y) = f(x,2b-Y)$$

Github:

https://min7014.github.io/math20211025001.html

Click or paste URL into the URL search bar, and you can see a picture moving.