$y = 2x - 3x^3$

$y = c$

1

-1

Domain

$\mathbb{R}$

Range

$\mathbb{R}$

Can convey domain and range
on one graph
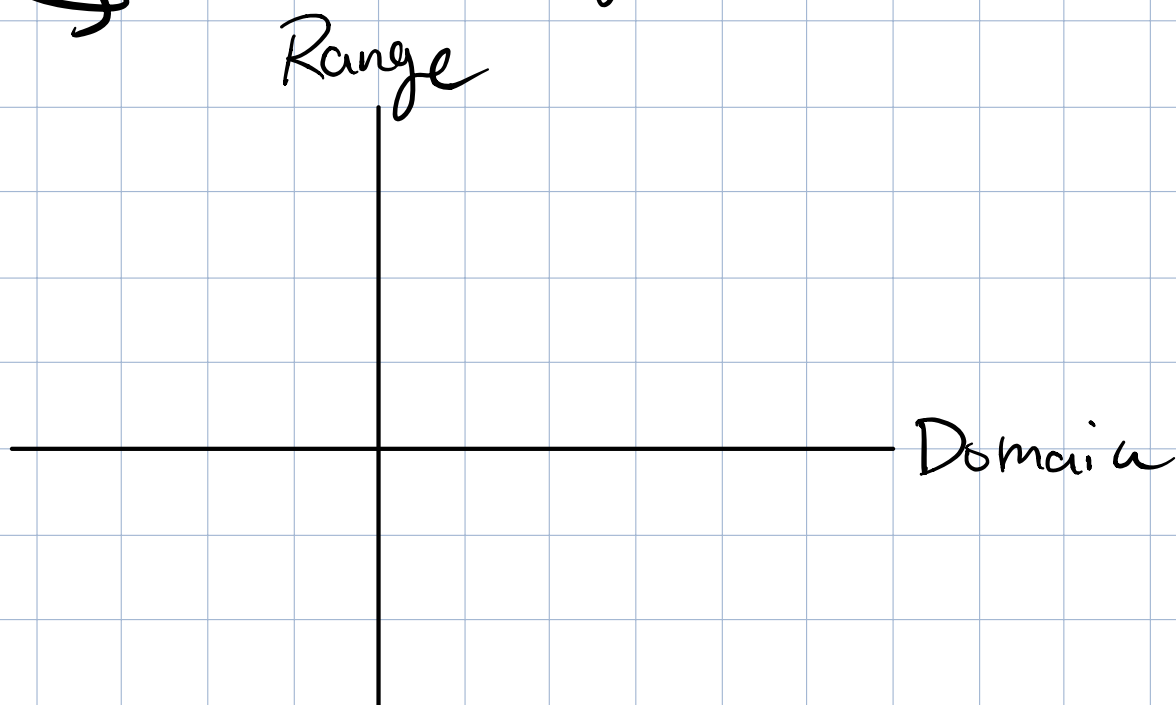
Range

Domain

Let Domain $\to$ x

Range $\to$ y

Domain $\to \mathbb{R}^2$

Range $\to \mathbb{R}$

$z = x + y$

$\underbrace{\qquad}_{\text{Domain}}$

Range

Graph in $\mathbb{R}^3$