

Warm up

If $\frac{d}{dx}f(x) = 2x$, what is $f(x)$?

Can you think of another function that $f(x)$ could be?

If $\frac{d}{dx}f(x) = 3x^2 + 1$, what is $f(x)$?

Can you think of another function that $f(x)$ could be?