Composite function

If we have two functions $f(x)$ and $g(x)$, we can make a new function by applying f followed by g, namely $h(x) = g\big(f(x)\big)$. Then h is called a *composite function*, and we write $h = g \circ f$ or $h = gf$.

To be able to do this, we require that the range of f is contained within the domain of g.

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