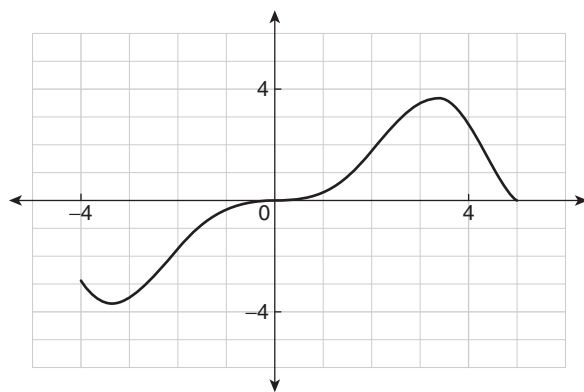


Building Functions



1. Sketch the graph of $f(x) = D(x) - 3$ for $-4 \leq x \leq 4$.
2. Sketch the graph of $g(x) = D(x - 1)$ for $-4 \leq x \leq 4$.
3. Sketch the graph of $h(x) = -\frac{1}{2}D(x)$ for $-4 \leq x \leq 4$.
4. Sketch the graph of $j(x) = D(2x)$ for $-2 \leq x \leq 2$.
5. What is the y -coordinate of $x = 5$ for f, g, h, j ?
6. What is the y -coordinate of $x = 0$ for f, g, h, j ?
7. If the maximum value of $D(x)$ occurs at $(3.4, 3.6)$, where is the maximum value for f, g, h, j ?

Graph created using Desmos.com