$\lim_{n\to\infty}\sum_{i=1}^{n}\frac{2}{n}\left(9+\frac{2i}{n}\right)^{12}$ can be interpreted as the area of the region lying under the graph of $y=(9+x)^{12}$ on the interval $[0,2]$, since for $y=(9+x)^{12}$ on $[0,2]$ with $\Delta x=\frac{2-0}{n}=\frac{2}{n}$, $x_i=0+i\,\Delta x=\frac{2i}{n}$, and $x_i^*=x_i$, the expression for the area is

$$A=\lim_{n\to\infty}\sum_{i=1}^{n}f(x_i^*)\,\Delta x=\lim_{n\to\infty}\sum_{i=1}^{n}\left(9+\frac{2i}{n}\right)^{12}\frac{2}{n}.$$

Note that the answer is not unique. We could use $y=x^{12}$ on $[9,11]$ or, in general, $y=((9-n)+x)^{12}$ on $[n,n+2]$.