

Piecewise Functions

$$\begin{cases} \sin(5\pi u) & -5 \leq u \leq -1 \\ \frac{u^2}{3} - u & -1 < u \leq 1 \\ 2u + 1 & 1 < u < 3 \\ 6 & u \geq 3 \end{cases}$$

