

# Piecewise Functions

$$\begin{cases} \frac{r^2}{3} - r & -7 \leq r < -3 \\ \sin(4\pi r) & -3 \leq r < 2 \\ 2r + 1 & 2 \leq r < 3 \\ 4 & r \geq 3 \end{cases}$$

