

G4. The derivative of a function is negative from $-\pi$ to 0 , positive from 0 to π , negative from π to 2π , and positive from 2π to 3π . The second derivative is positive from $-\pi/2$ to $\pi/2$, negative from $\pi/2$ to $3\pi/2$, and positive from $3\pi/2$ to $5\pi/2$. What is this function?