

IB Functions Problem 024

Consider $f(x) = 2 - x^2$, for $-2 \leq x \leq 2$, and $g(x) = \sin e^x$, for $-2 \leq x \leq 2$.

— of $f(x)$ is given below.



- On the diagram above, sketch the graph of g .
- Solve $f(x) = g(x)$.
- Write down the set of values of x such that $f(x) > g(x)$.