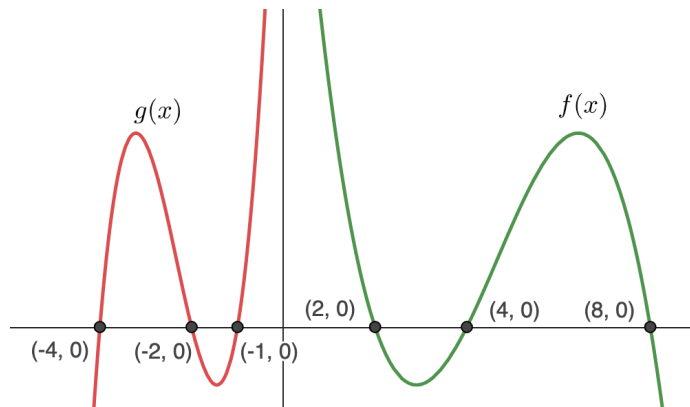
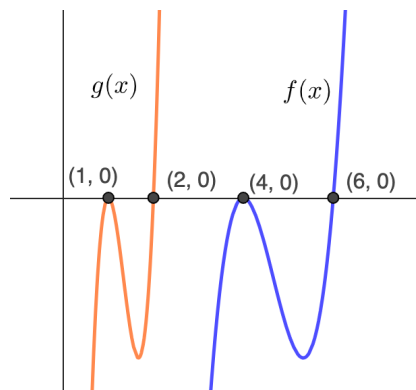


20b. More transforming graphs

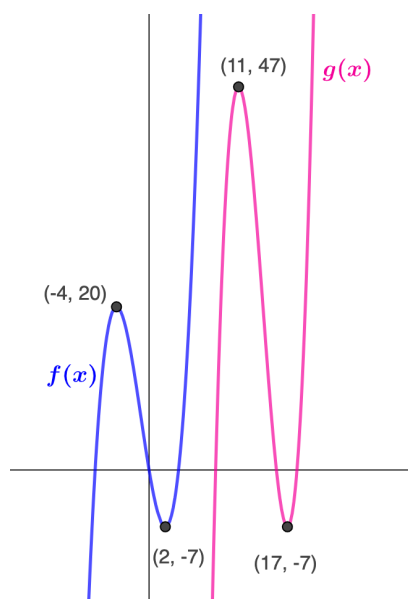
1. The figure shows the graphs of $f(x)$ and $g(x) = f(ax)$. Find a .



2. The figure shows the graph of $f(x)$ and $g(x) = f(ax + b)$. Find a , then b .

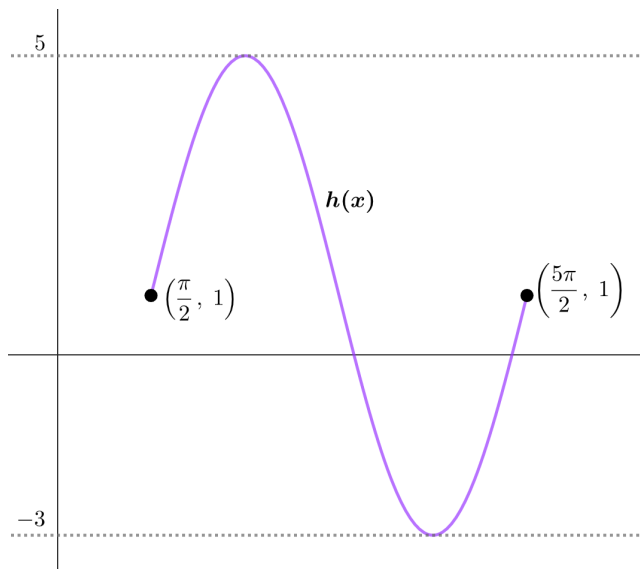


3. The figure shows the graphs of $f(x)$ and $g(x) = k f(x + a) + t$. Find a , k and t .

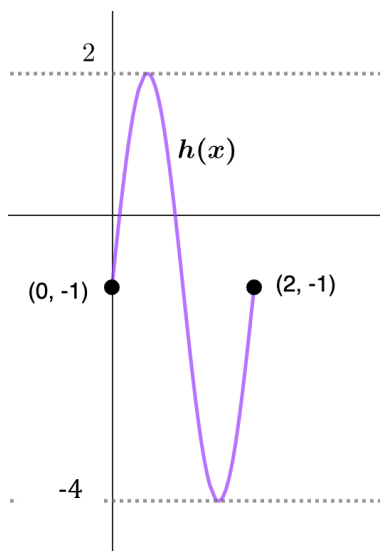


20b. More transforming graphs

4. The figure shows the graph of $h(x) = k \sin(x + a) + t$.
The x -axis is in radians. Find a , k and t .

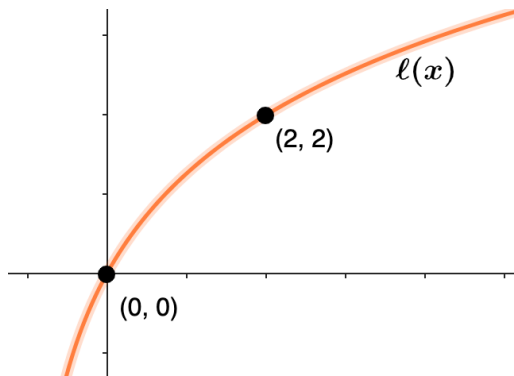


5. The figure shows the graph of $h(x) = k \sin(ax) + t$.
The x -axis is in radians. Find a , k and t .



20b. More transforming graphs

6. The figure shows the graph of $\ell(x) = k \log_3(x + a)$. Find a and k .



7. The figure shows $y = ax^b$ plotted on a log-log graph. Find a and b .

