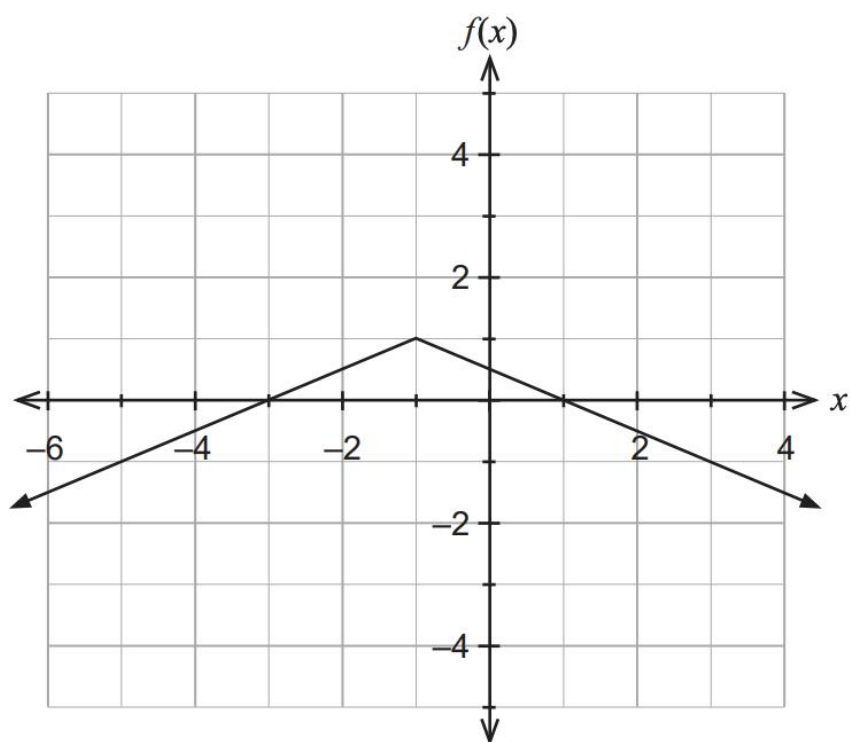


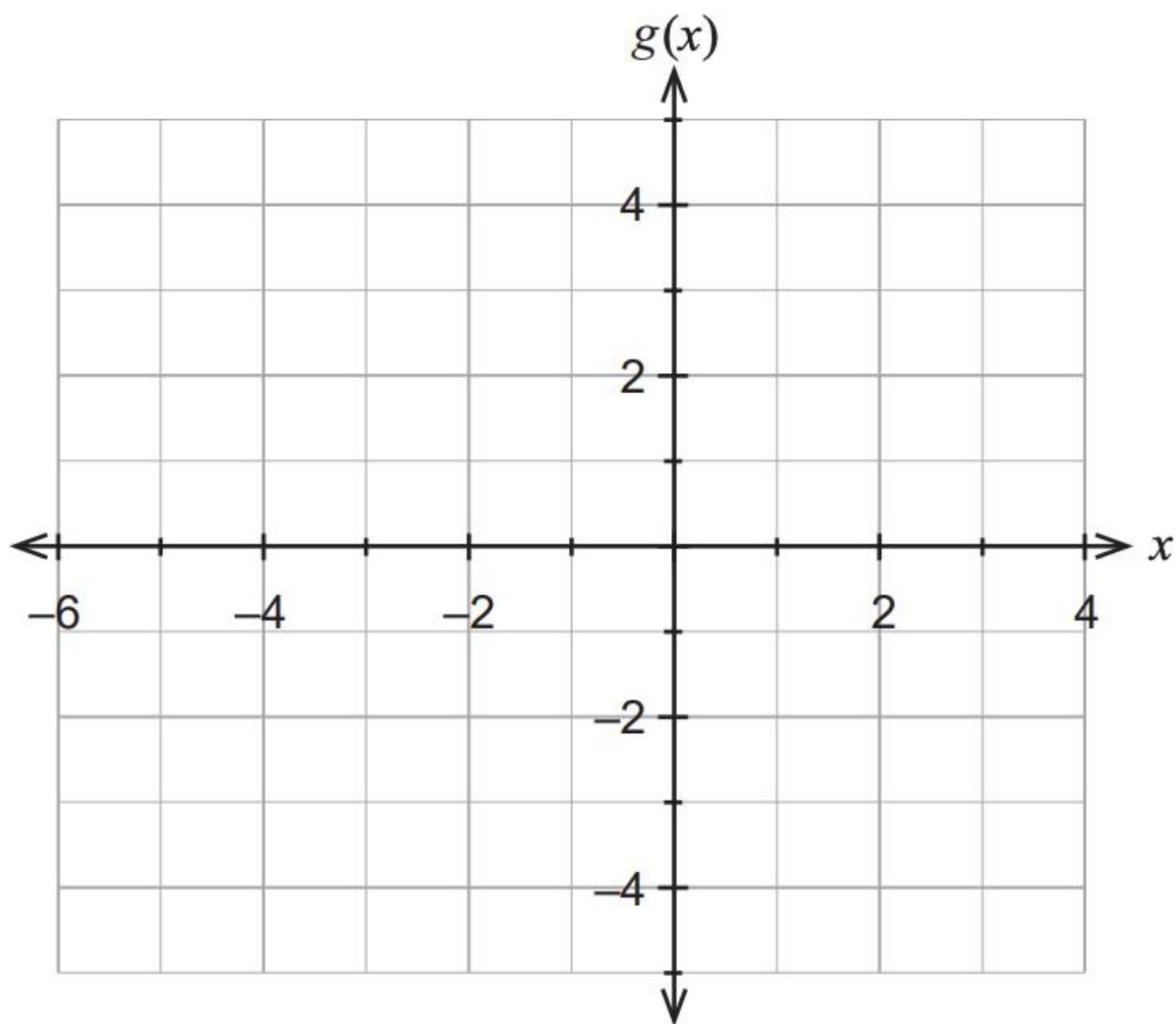
Question 5**(7 marks)**

The graph of $f(x) = 1 - \frac{|x+1|}{2}$ is shown below.



(a) Sketch the graph of $g(x) = \frac{1}{f(x)}$ on the axes below.

(4 marks)



(b) Hence give the domain and range for $h(x) = \frac{4}{2 - |x + 1|}$. (3 marks)