Unit 3 – Solving equations and inequalities Chapter 5.1: Graphs of reciprocal functions

The function g(x) has a reciprocal function $f(x) = \frac{1}{g(x)}$, and we shall limit g(x) to polynomial functions for this unit.

Example 1: Given the function f(x) = 2 - x. Determine the domain and rage, intercepts, positive/negative intervals, end behavior, and increasing/decreasing intervals. Then use your answer to sketch the graph of the reciprocal function.

	f(x)	Reciprocal of $f(x)$
Domain		
Range		
Intercepts		
Positive/negative intervals		
Increasing/decreasing intervals		
Asymptotes		
End behavior		







Suggested questions from Textbook: Pg254 – 257. #1, 2bdef, 8bf, 11, 16