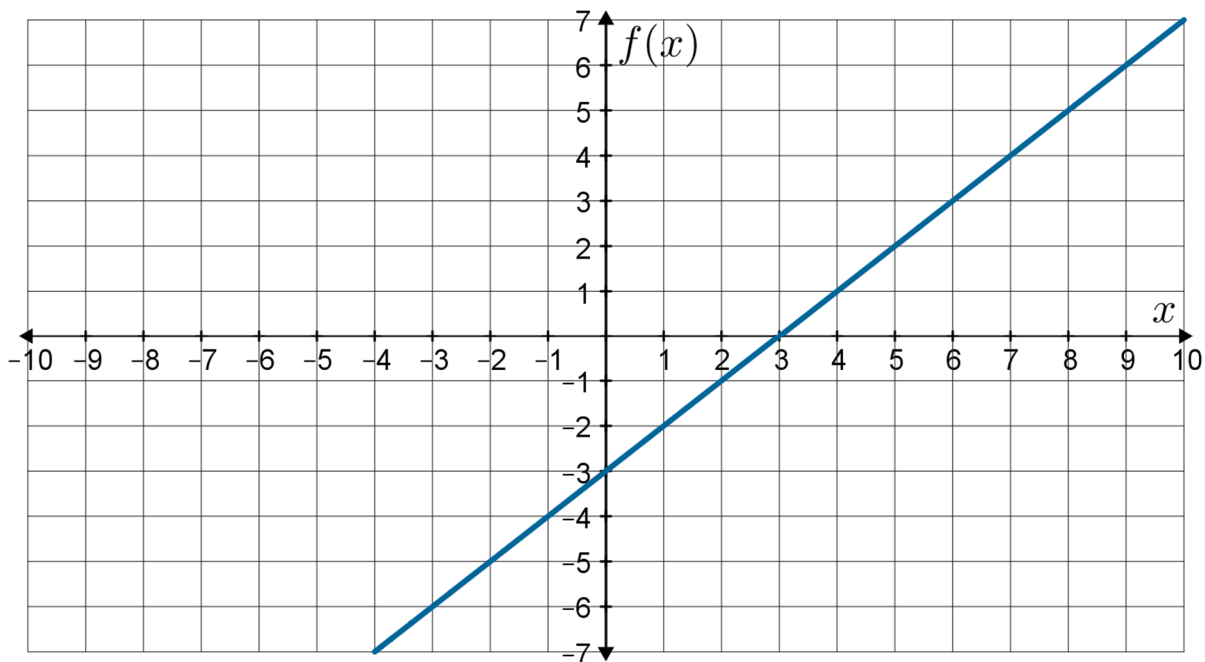


GRAPHS OF RECIPROCAL FUNCTIONS

Consider the graph of $f(x) = x - 3$ shown below.

What would be the equation of the reciprocal of this function? _____ or _____.

Try to draw the graph of the reciprocal of $f(x) = x - 3$.



Properties to consider when plotting the reciprocal of a function:

1) _____

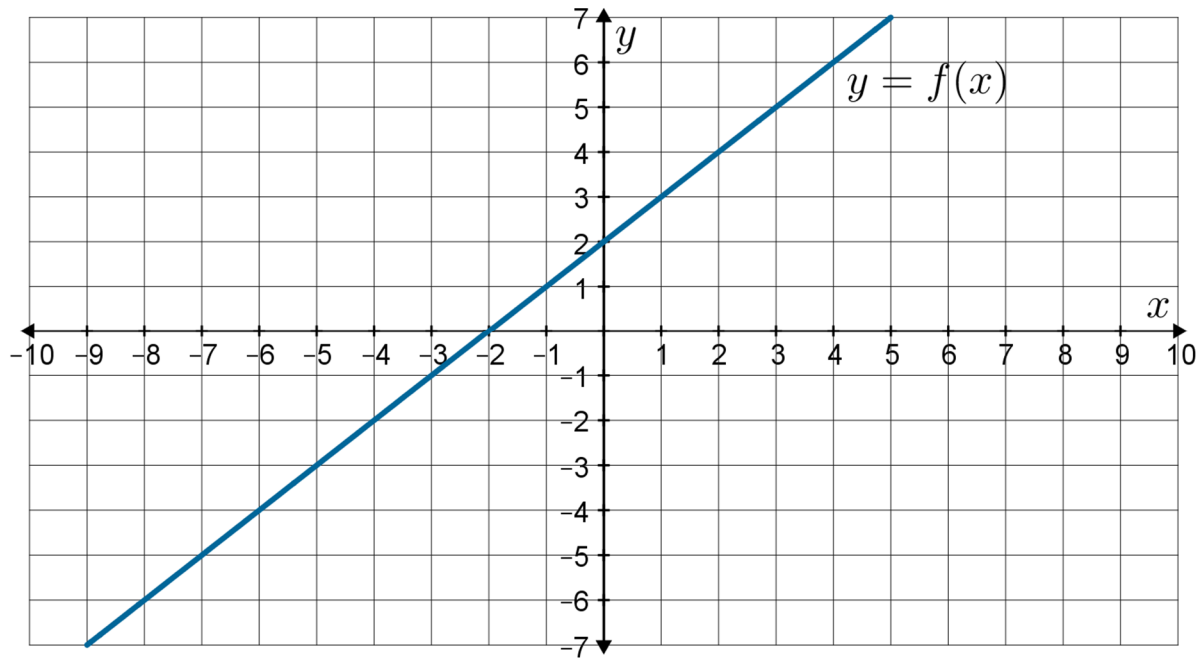
2) _____

3) _____

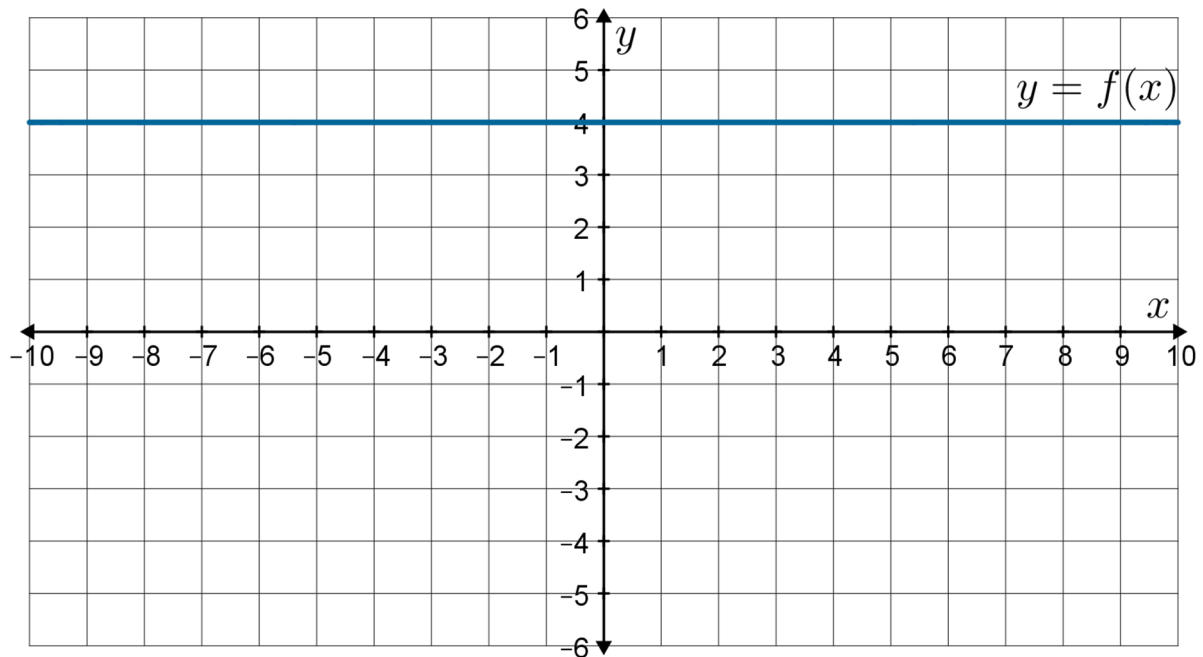
Examples

For each of the following graphs of $y = f(x)$, sketch the corresponding graph of $y = \frac{1}{f(x)}$.

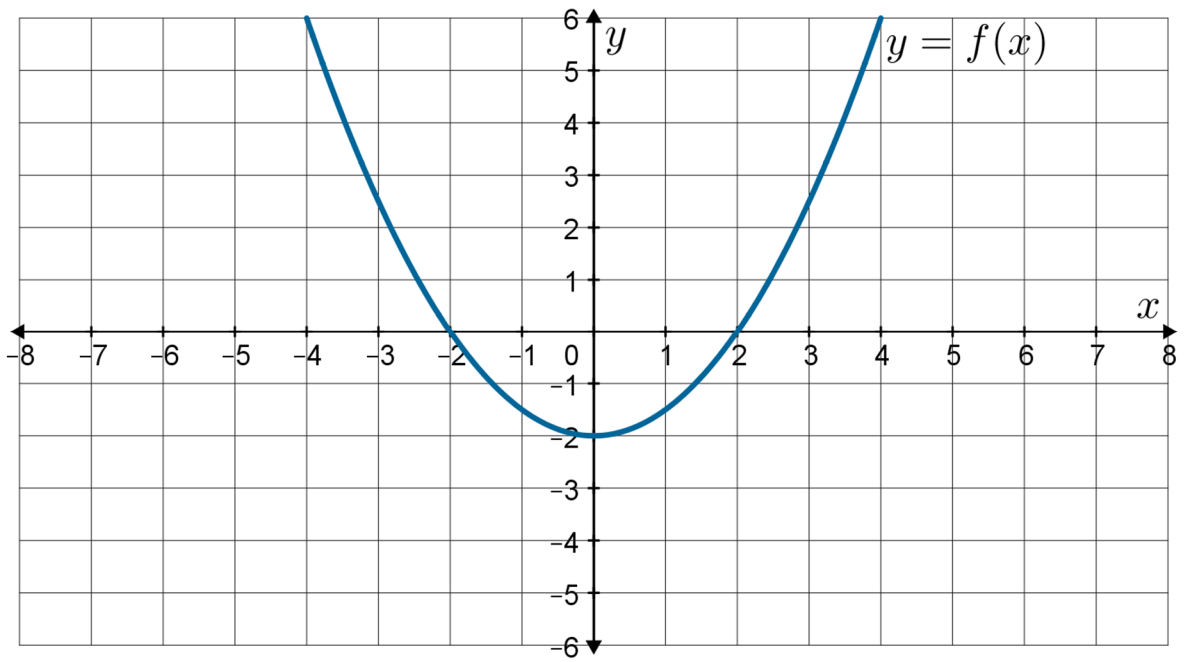
1)



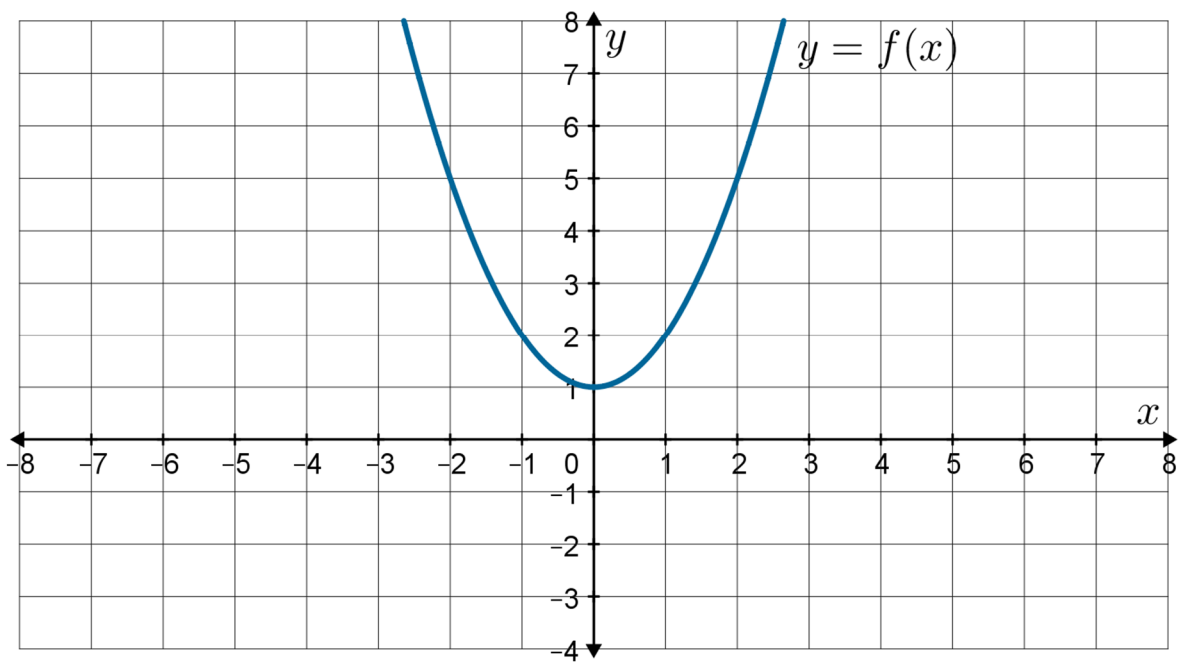
2)



3)



4)



5)

