6. (10 points)

(a) Suppose that $h(x) = g(f(x))$. Fill in the missing values based on the information given in the table:

x	1	2	3
$f(x)$	-1	1	
$g(x)$	2/3	4/3	8/3
$h(x)$	1/6		8/3

(b) Which, if any, of f, g and h could be linear functions? Show evidence for your choice(s).

(c) Which, if any, of f, g and h could be exponential functions? Show evidence for your choice(s).