Q.1 Find the domain of the real valued function f defined by

$h(x) = \sqrt{(x-2)}$

Q.2 Find the domain of function

$g(x) = \sqrt{(-x^2+9)} + \frac{1}{(x-1)}$

Q.3 How do you obtain the graph of $-f(x-2)+5$ from the graph of (x) ?

Q.4 Find all real values of x such that f(x) = 0 given that f is a rational function defined by

$f(x) = \frac{x^2+2x-3}{x-1}$

Q.5 A function f : R → R is defined by f(x) = x^4. Determine the range of f.

Q.6 Identify a possible graph for function f given by

(a) $f(x) = \frac{-1}{x+2}$ (b) $f(x) = (x-1)^3$