Determine whether or not each of these relations are "functions":


Passes vertical line test.. FUNCTION


NOT A FUNCTION

 FUNCTION


Evaluate each of the following, given that $f(x)=x^{2}-4, g(x)=\frac{1}{x}+2$ and $h(x)=\sqrt{4 x-4}$
a) $\quad f(2)$
$=(2)^{2}-4$
$=4-4$
$=0$
b) $\quad h(5)$
$=\sqrt{4(5)-4}$
$=\sqrt{20-4}$
$=\sqrt{16}$
$=4$
c) $\quad g\left(-\frac{1}{2}\right)+f(1)$
$=\frac{1}{(-0.5)}+(1)^{2}-4$
$=-2+1-4$
$=-5$

Are each of the following relations "functions"?
a) $y=-4(x+2)^{2}-7$
b) $y= \pm \sqrt{x}$
c) $y=-\frac{2}{3} x-11$

This is a parabola ... FUNCTION

Each value of $x$ gives TWO values for $y$ (positive and negative)... NOT FUNCTION

This is the equation of $a$ line ... FUNCTION

