P&P#2: Working with Function Notation
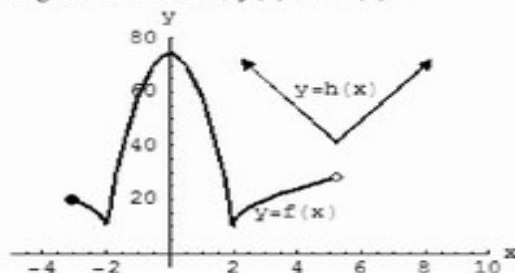
The following is a drawing of two functions, $f(x)$ and $h(x)$.

1) Using the graphs, approximate the following function values or write "does not exist".

$f(4) =$ $f(-3) =$

$f(2) =$ $h(0) =$

$h(8) =$ $f(5) =$

$h(5) =$ $h(-2) =$

$f(0) =$ $f(8) =$

$h(2) =$

2) Use the graphs to find **all** approximate solutions to the following:

$f(x) = 10$ $f(x) = 0$

$h(x) = 70$ $h(x) > 70$ (you'll need intervals for this one)

3) State the Domain and Range of both functions using interval notation.
<u>Hint</u>: Recall that the **domain of a function is the collection of x values** that have heights on the function; the **range is the collection of y values** taken on by the function.

Domain of f: Domain of h:

Range of f: Range of h: