Math 220 - Calculus f. Business and Management - Worksheet 26

Worksheet 26 - Interpreting Graphs

Given are the graphs of three functions 1) $y = f(x)$, 2) $y = g(x)$, 3) $y = h(x)$:
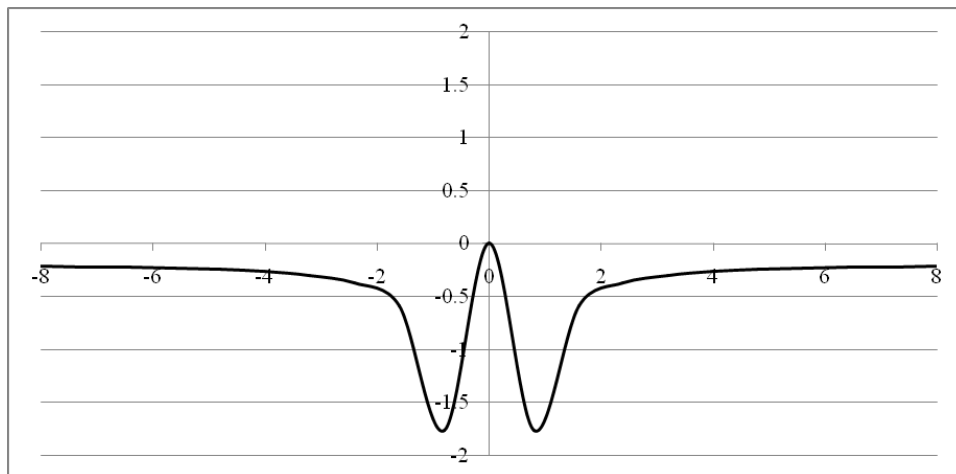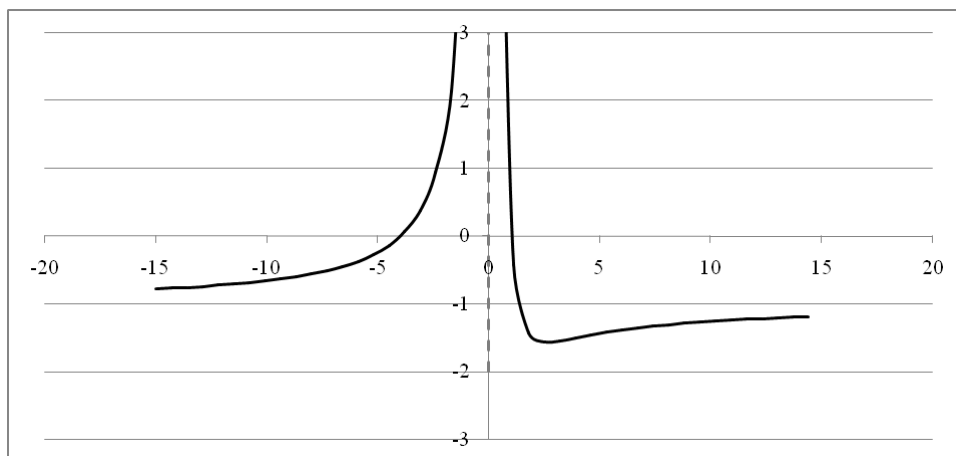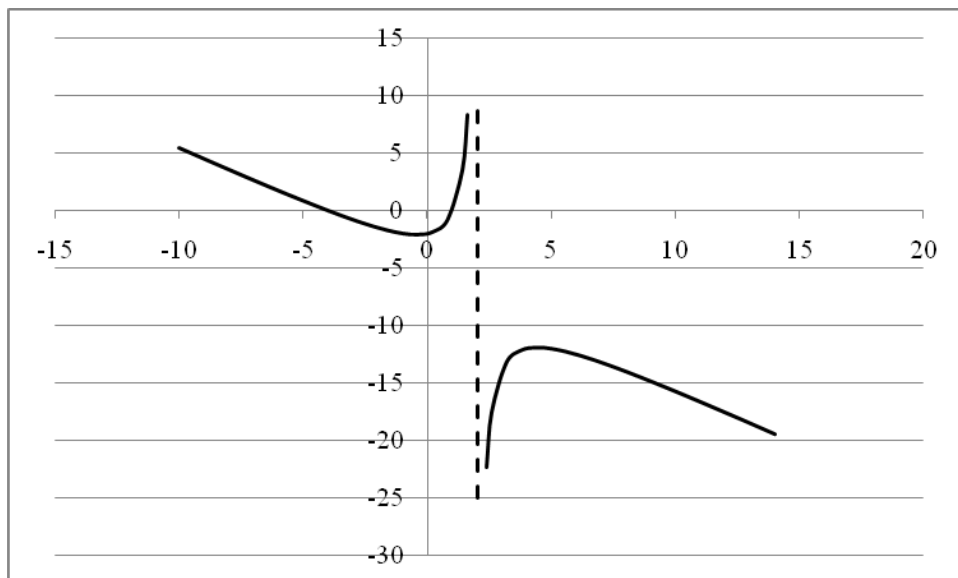

Figure 1: $y = f(x)$

Figure 2: $y = g(x)$

Figure 3: $y = h(x)$

Look at each graph and identify each of these items:

> *The domain of the function*
> *Equations of all asymptotes to the graph of the function*
> *The interval (or intervals) where the function is increasing and those where it is decreasing*
> *The interval (or intervals) where the function is concave up and those where it is concave down*
> *The critical points and critical values of the function that is graphed*
> *The inflection points and their y-values on the graph of the function*
> *The interval (or intervals) on which $f(x) > 0$*
> *The interval (or intervals) on which $f'(x) > 0$*
> *The interval (or intervals) on which $f''(x) > 0$*

The solutions will give you specific values for x and y but you should think of them as approximate values, especially where change of concavity is concerned, as the drawings are imprecise. Hence, be not concerned if your answers differ slightly from those given in the solutions.