**Curve Sketching HW**

Sketch the graphs of the following functions:

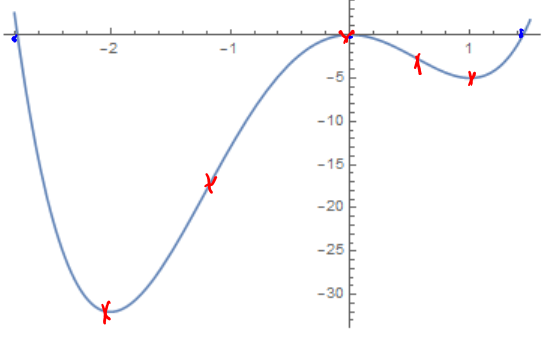
1. Hint: and
2. Hint: and

c)   
Hint: and

d)   
Hint: and

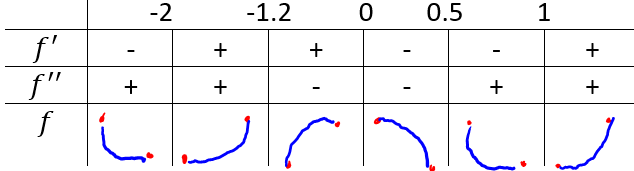
e)   
Hint: and

**Solution:** Sketch the graph of

1. Domain: all numbers
2. Asymptotes:
   1. v.a. none
   2. h.a. none

1. Critical points:

so   
Possible infl. pts:   
 so

1. Setting up the table  
   
2. Find zeros:
3. Find y-intercept:
4. Evaluate f: f(-2)=-32, f(-1.2)=-17.9, f(0)=0, f(0.5)=-2.3, f(1)=-5