

Worksheet (Section 1-2 - 1.4)

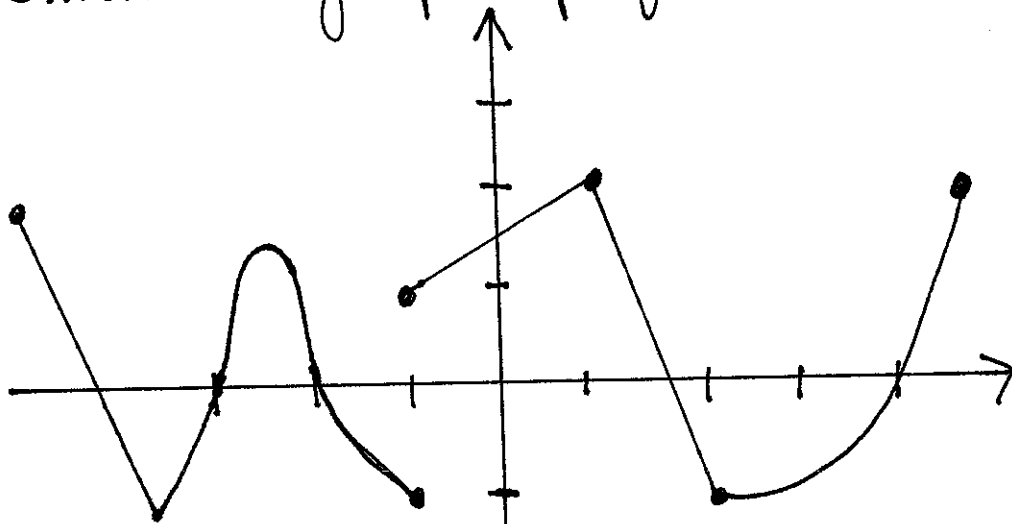
1. Given $f(x) = x^2 + x - 1$

a) Find $f(a^2)$

b) Find $f(a-1)$

c) Find $\frac{f(a+h) - f(a)}{h}$

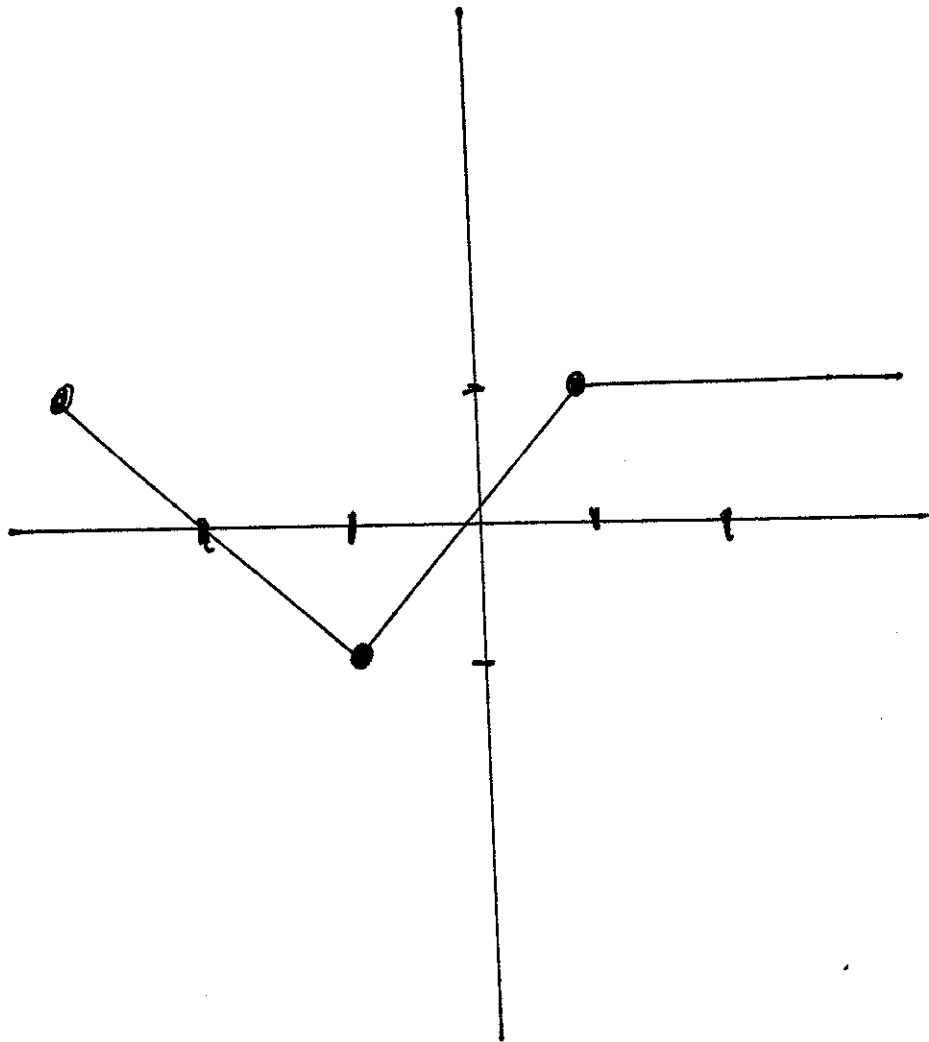
2.) Given the graph of $f(x)$



a) Plot the graph of $f(-x)$

b) Plot the graph of $-f(x)$

3. Given the graph of $f(x)$



a.) Plot the graph of $f(2x)$

b.) " $f(\frac{1}{2}x)$

c.) " $f(x-1)$

d.) " $\frac{1}{2}f(x-1)+2$

on a separate piece of paper (1 graph per paper)