:: Function notation is for example:		
2		
ing you what is the y value when x is		Name Date
nis by substituting the 4 in for xthis one on your calculator	Advanced Algebra Unit 2: Families of Functions Homework #4	
3(dog)+2	Homework #4	
that you understand substitution. 1. How does the graph of be fine.		of y = f(x)? A short answer wi
		a) 5 + f(v+1)
a. f(x+3)	b) -3 + f(x-2)	c) 5 + f(x+1)
		c) 5 + f(x+1) answer:
a. f(x+3) answer:	b) -3 + f(x-2)	answer:
a. f(x+3) answer:	b) -3 + f(x-2) answer: dered pair that you would graph	answer:
בו בו	ing you what is the y value when x is is by substituting the 4 in for xthis one on your calculator ituted "dog" in for the x. this is that you understand substitution. 1. How does the graph of be fine.	ing you what is the y value when x is Advanced Algebra Unit 2: Families of Functions Homework #4 Ituted "dog" in for the x. this is Shat you understand substitution. 1. How does the graph of y = f(x-3) compare with the graph be fine.

c) $0=4(x-3)^2-38$ (there should be two answers!)

d)
$$0 = 3(x-3)^3 + 58$$

e)
$$0 = 2|x - 5|-18$$

f)
$$0 = 5(x - 6)^{\frac{1}{2}} - 3$$

g)
$$0=3(x-8)^{\frac{1}{3}}+4$$

I can sketch a graph of a function:

Find the x and y intercepts of the following and make a sketch

$$y=4(x-8)^2-12$$

