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Advanced Algebra Unit 2: Families of Functions Homework #9

	1.	Given $f(x) = 3x+2$ and $g(x)=(x-1)^2$
a.		f(g(2))
	b.	f(g(x))
	C.	g(f(2))
	d.	g(f(x))
2. a.		What is the domain and range for $y = (x-2)^2 + 3$ Domain
	b.	Range
	c.	Does this have a maxima or a minima?
3.		Given $f(x) = 4x-5$ find $f(5)$
4. ope	en to	Given a piece of paper that is 20 inches by 50 inches. You will be making a box with ar op. You do this by cutting square corners out of the paper.

a. What is the equation to represent the volume of this box V=

b. What are the x intercepts of this equation?

c. What is the real life domain for this problem?

5. Given f(x) = 3x-2 Find x when f(x) = 28