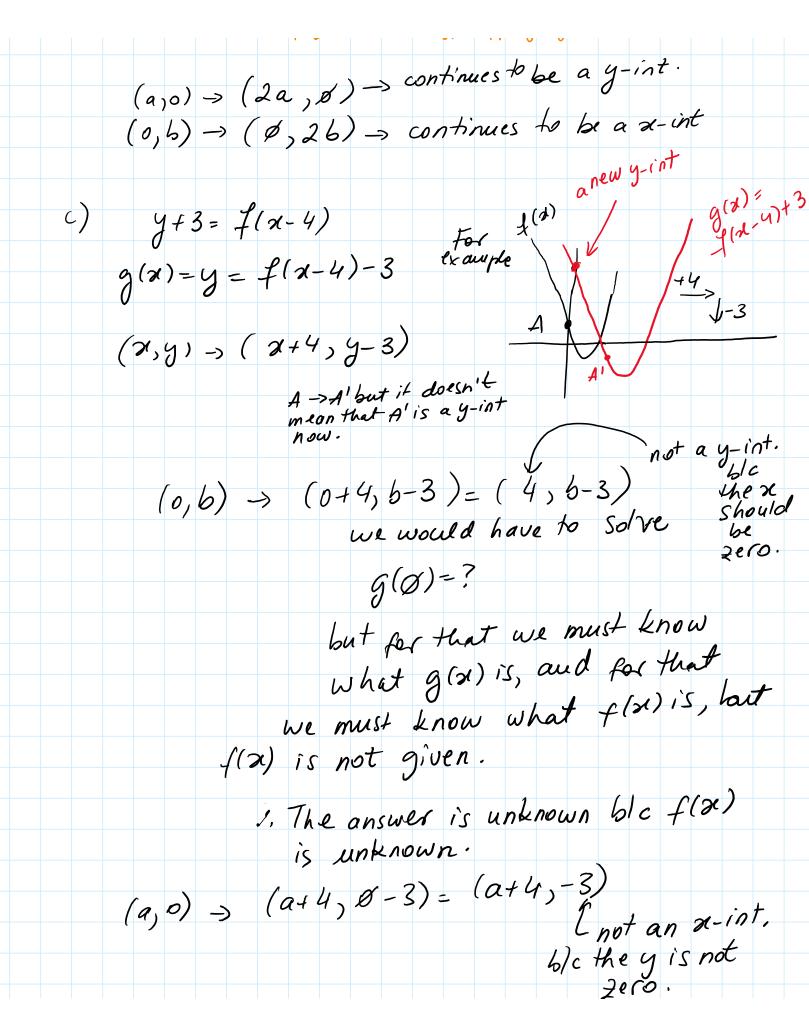
рC	41 q15							
Ext	end							
15.	f the x-intercept	0 1						
	s located at $(a, 0)$ ocated at $(0, b)$,		~					
	and <i>y</i> -intercept a	fter the followi	ng					
	transformations of the graph of $y = f(x)$.				these may be new values not the result of a transformation			
	a) $y = -f(-x)$			new	values			
	$y = 2f\left(\frac{1}{2}x\right)$			not t	he cosult			
	y + 3 = f(x - 1)			0	translagna	tion		
	d) $y + 3 = \frac{1}{2}f(\frac{1}{4})$	(x-4)		0+ 0	() lans para			
	,							
		o) by int						
	(0)		nt					
		*						
	_	(a)\$, 					
		(11)						
a)	(A = = 91	~ \						
O. j	y=-f(-			. 1		10 0 10		
	(a, o)	$\rightarrow (-\alpha,0)$	new x-	int y	these con	hnue to		
	(0, b)	→ (0,-b)	new y.	-int J	function	as intercey	57	
			J		616 07 Y	hell S		
					counterpa	rts		
				(-a)	0) \$ (0,	-6)		
	y=211	/x) =>	(2,4)	-> (2:	x,2y)			
w/	0 2 1							
		4(1)	x)=) a ho	riz.mapp	ing by a fac	tor of 2		
				intinues!	bbe a y-	·Int·		



6/c the y is now =) Same as before we need to solve for $\alpha: g(\alpha) = \emptyset$ 1. The answer is unknown blc f(x) is unknown, and thus g(x) is unknown. $g(\alpha) = y = \frac{1}{2} + (\frac{1}{4}(\alpha - 4)) - 3$ This is Similar to the problem in point (c) ble we have shifts, not just stretches, the zero in (a,0) and in (0,6), will not be preserved. These points move to new locations in g (sa) but without those zeroes they are no longer x-int and/or y-int- So instead of using the transformation, we have to calculate g(0)=?

and solve g(x)=0. The answer is unknown.