## Standard 3 Practice Quiz A

MA 109

Print Your Name:	ID:
Be sure that the ID number above is your correct 8-digithis number is incorrect or not legible, it will take longer	
This is practice for an in-class assessments on Standard a 4-function calculator. No notes or books may be used must be entirely your own work.	
<b>Show all of your work.</b> Your work will be graded on both is possible. You have 20 minutes to take this quiz.	th accuracy and completeness, and partial credit
Be sure to complete both the questions on this page an	d those on the back of this page.
1. Find the domain of each function below. Write answer box. $a.  f(x) = \frac{1}{\sqrt{3-5x}}$	your answer <b>using interval notation</b> in the
	Answer:
$b.  g(x) = \frac{1}{3-5x}$	
	Answer:
$c.  h(x) = \sqrt{3 - 5x}$	
	Answer:

2.	below,	Suppose $f(x)$ is the original function and $g(x)$ is the transformed function. For each $g(x)$ below, mark <b>all</b> of the transformations that took $f(x)$ to $g(x)$ . <b>Fill in the boxes</b> for your				
	answei		_	f(x + F)		
	d.	g(x)		-f(x+5) Shift up		
				Shift down		
				Shift left		
				Shift right		
				Vertical stretch		
				Vertical compression		
				Horizontal stretch		
				Horizontal compression		
				Vertical reflection over the <i>x</i> -axis		
				Horizontal reflection over the $y$ -axis		
	b.	a(x)		$S\left(-\frac{x}{7}\right)$		
	ν.	9 (11)		Shift up		
				Shift down		
				Shift left		
				Shift right		
				Vertical stretch		
				Vertical compression		
				Horizontal stretch		
				Horizontal compression		
				Vertical reflection over the $x$ -axis		
				Horizontal reflection over the <i>y</i> -axis		
	c.	g(x)		f(x+1)-3		
				Shift up		
				Shift down		
				Shift left		
				Shift right		
				Vertical stretch		
				Vertical compression		
				Horizontal stretch		
				Horizontal compression		
				Vertical reflection over the $x$ -axis		
				Horizontal reflection over the <i>y</i> -axis		