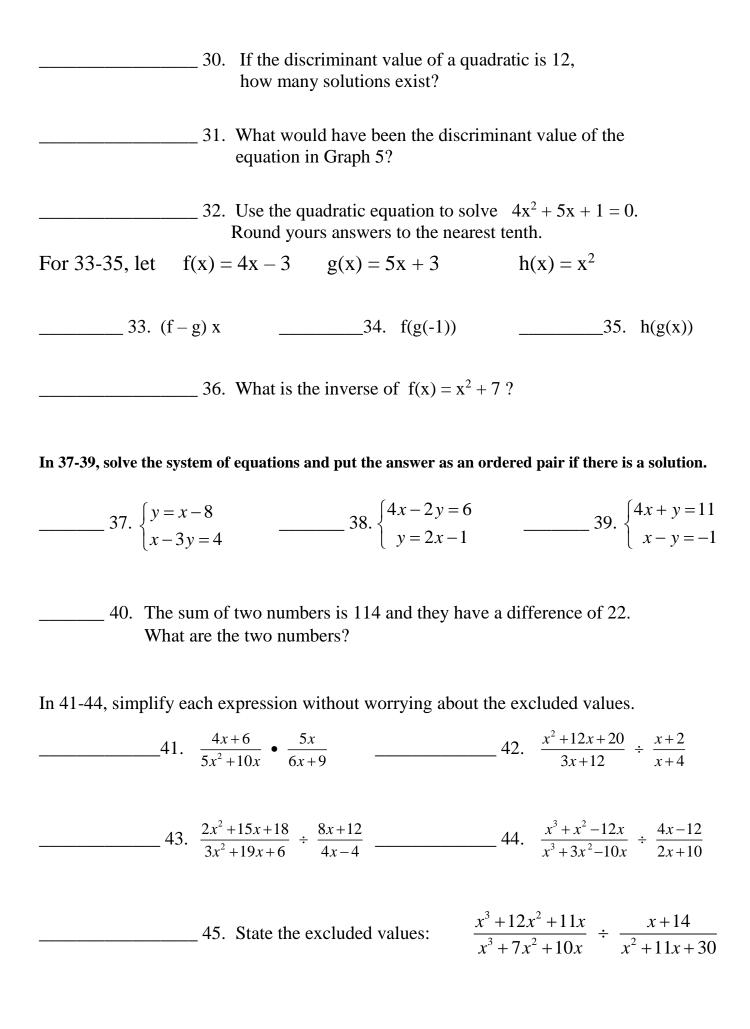
Algebra 2 Review Quiz LOOKALIKE for Chapters 1-9

Name											
	1.	Solve:	5(2n+3)	= n + 10 + 9	9n + 5						
	2.	Solve:	$\frac{2n+6}{6} = \frac{1}{6}$	$\frac{n+5}{2}$							
	3.	Solve:	-3(2a-4)	= -2(2a + 8)	3)						
	4.	Solve:	n + 1	-4 = 10							
	5.	5. In interval notation, what is $x < 3$?									
	6.		DOMAIN of Graph 1 on B. (-3, 3]				D. [-2, 1)				
	7.			of Graph 1 or (-3, 3]		ph Page? -2, 1]	D. [-2, 1)				
	8.			$f(x) = \sqrt{x} - B. \mathbf{R}: x$		C. R : <i>x</i> ≥3	D. R				
	9. What is the domain of $f(x) = \frac{2x}{x+6}$?										
	A. R except $x \neq -6$ B. R : $x > -6$ C. R: $x \geq -6$ D. R 10. Looking at Graph 2, what interval is the graph decreasing ? A. $(-\infty, -1.2)$ $(1.2, \infty)$ B. $(-1.2, 1.2)$ C. $(-\infty, -2)$ $(2, \infty)$ D. $(-1.2, 3)$										
	11	. Factor	$x^2 - 25$								
	12	. Factor	$x^2 - 9x +$	20							
	13. What is the x-intercept of $f(x) = x^2 + 7x + 10$?										
	14	. What is the	e y-intercep	$t \text{ of } f(x) = x^2$	2+9x+2	20?					

15.	A. The grap B. The grap C. The grap	ning f(x) = 9(h shifted right oh stretched h ohed shifted u these things	at 2 units norizontally up 5 units	vhat is true	e?	
Look at the graphs on t	he graph sh	eet and deter	rmine the eq	quation of	graph 3 a	and 4.
16.	Graph 3	17. Graph 4				
18.	Simplify:	$\sqrt[3]{8a^6}$		19.	Simplify	$\sqrt{18} + \sqrt{50}$
20.	Simplify:	$\frac{2}{\sqrt{3}}$		21.	Simplify:	$\frac{2+\sqrt{2}}{2-\sqrt{2}}$
22.	Simplified t A. 1	o its lowest v B1	alue, what is	i ¹⁹ ? C. i		Di
23.	Simplify	(4 – 3i) (5 –	2i)			
24.	In simplified A. $\sqrt[9]{x^{10}}$	d radical form B. $\sqrt[5]{3}$	$\frac{1}{x^4}$ what is	$x^{\frac{3}{5}} \bullet x^{\frac{1}{4}}$ C. $x\sqrt[7]{x}$	3	D. $\sqrt[20]{x^{17}}$
25.	In simplified	d radical forn	n, what is	$\left(x^{\frac{2}{3}}\right)^{\frac{4}{5}}$		
	A. $\sqrt[15]{x^8}$	B. <i>x</i>	$\sqrt[7]{x^6}$	C. $x^{15}\sqrt{x}$	7	D. $x\sqrt[15]{x^3}$
26.	Solve for x:	$3\sqrt{7x+2}$	+1=13			
27.	Factor 3n ²	+ 11n + 6				
28.	Use factoria	ng to solve 21	$n^2 + n - 10 =$	0		
29.	Solve for the $2(x+2)^2$	ne variable us – 32 = 0	ing your kno	wledge of	square ro	ots:



Graph Page

