Most	1	For $y = 2x^2 + 12x - 1$, find the vertex.	(-3,-19)
Solutions	2	Find the quadratic equation with vertex (3,4) and	y= 2(x-3)2+4
2000		through point (1,12).	1
* All the	3	At most how many turning points does a polynomial of	tumpts ; 6)
, o these		degree 7 have? At most how many zeros does a	zevos: 7
are in the xiders	4	polynomial of degree 7 have?	
the xlow	4	Find the $x - int$, $y - int$, end $-$ behavior, and do a \pm	beh ; x7 00, y 700
		analysis for $f(x) = x^2(x^2 - 9) \times (wt : 0,3)^{-3}$ and Graph.	x-7-00, 05-700
1 h. etr. 14	5		
hath 14 Review exam#3	1-	Find the Line horizogy y=2 (x - int) (y - int) end - behavior, graph and ±	
Review		analysis for $f(x) = \frac{2x+4}{x-3}$.	
exam#3		~ ~	
	6	Find any horizontal and vertical asymptotes for $f(x) =$	end-beln; x700 y43 x7-3 y73
Total Activities and	U	Find any horizontal and vertical asymptotes for $f(x) = \frac{3x^2-5x+6}{x^2-4x-5}$. (The horizontal asymptote is found the same	x700 y43
olionida de la companio della compan		$\frac{1}{x^2-4x-5}$. (The norizontal asymptote is found the same	x7-3 y73
Standardina Maria		WAY WE IIIU LIE EIU-DEIIQVOO.	
all control of the co	1	Find the quotient and remainder when $f(x) = x^4 - 3x^2 + 1$ is divided by $x + 2$. $x^3 - 2x^2 + x - 2$ R5	
Transmission of the Control of the C	_	What is the domain and range of $\stackrel{\text{def}}{=} 2^x$? Sketch the	10010
100	8		X
	^	graph. $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$	X (0,1)
	9	graph X70	14 (190)
-	10	graph of $y = \log_2(x+1) + 3$.	
	11	Sketch the graph of $y = 2^{x+1} - 1$. Find x and y	
	**	interespect	
•	12	/ 1 /***	
		Sketch the graph of $y = -\frac{1}{2}$ Solve for x : $2^x = \frac{1}{6}$ $2^x = 2^{-\frac{3}{2}}$ $x = -\frac{3}{2}$	
The second secon	13	30146 101 111	
-	14	$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}$	
- Annual Control of the Control of t	15	Solve for x : $2^{3x+1} = 4^{3x} = \frac{1}{3}$	
-		An amount of \$500 is invested at 3% compount worth	
was consistent of the constant		(105)(10)	
Construction of the Constr		at the end of the 10 year period:	
Washington Co.	18	Suppose \$1000 is invested for 10 years there	[n]
and the second s		compounded continuously. At the 2000 = 1000 e (100)	Y= 10
and the second s		is \$2000 in the account. Find r. $2000 = 1000 e$ How long does it take for \$500 to grow to \$1000 at 7%	
	19	How long does it take for \$500 to 8	
Commentum		anded twice a year.	,
	20	What is the inverse of $= 5^x$? What is the inverse of $= e^x$? $y = \log x$	1
	21	What is the inverse of $= e^x$? $y = lnx$	

22 Write the exponential expression as all equivalent log expression:
$$A (\log_2 x > 3)$$
 b) $\log_3 x = 2$ ($\log_3 x > 2$ ($\log_3 x$