Name: 2018 MCNAB	BB GDCTM CONTEST ANSW	
Contest Taking (Circle One): Pre-algebra Algebra I Geometry DIRECTIONS:		lculus
1. You are NOT permitted to use a calcul You have 45 minutes for Pre-Algebra o	ator or any other electronic device. You h	nave 60 minutes for Geometry and above.
<ol><li>All answers should be in standard sim numbers unless otherwise stated.</li></ol>	uplified from unless otherwise stated. All	variables are assumed to stand for real
1.	6.	11.
2.	7.	32
	,	
3.400	8. Q 7	13.
4.	9.	14.
	8	15,000
5.	10.	15.
1,155,000	40	7921

SCORE:\_\_\_\_

2018 McNa	BB GDCTM Contest Ansv	WER SHEET
Name: PCG	School:	Date:
Contest Taking (Circle One):  Pre-algebra Algebra I Geometr DIRECTIONS:	y Algebra II Pre-calculus Ca	lculus
<ol> <li>You are NOT permitted to use a calculation You have 45 minutes for Pre-Algebra</li> </ol>	nlator or any other electronic device. You l or Algebra I.	have 60 minutes for Geometry and above.
	mplified from unless otherwise stated. All	l variables are assumed to stand for real
1.	6. any one of:  a (a-1), a (1-a)  a (a+1)  or absolute value of above or equivalent	293/4
2.	7.	12.
72	0.524	132
3.	(3, 5/3)	need both
4.	9.	14. just one of
420	/9	14. just one of 20,40,60,
5.	10.	15.
	·	<u> </u>

SCORE:\_

2018 McNai	BB GDCTM CONTEST ANS	WER SHEET
Name: 129	School:	Date:
Contest Taking (Circle One): Pre-algebra Algebra I Geometr DIRECTIONS:	y Algebra II Pre-calculus Ca	alculus
1. You are NOT permitted to use a calcu You have 45 minutes for Pre-Algebra	ulator or any other electronic device. You or Algebra I.	have 60 minutes for Geometry and above.
<ol><li>All answers should be in standard sin numbers unless otherwise stated.</li></ol>	mplified from unless otherwise stated. Al	ll variables are assumed to stand for real
1.	(3,5/3)	24
2.	7.	12.
GH	need both	49:1 or 49
2		
3.	8. 0.524	$(\chi^{2}-3\chi-2)(\chi^{2}-3\chi+2)$
4.	9. any one of: $\frac{a^2(a-1)}{2(a+1)} \text{ or } \frac{a^2(1-a)}{2(a+1)}$	3-15
5.	10.	15.
54+22513		3/5
SCORE:	$\frac{ a-1 }{2(a+1)}$	or equivalent

$\sim$	ABB GDCTM CONTEST	Answer Sheet
Name: Q	School:	Date:
Contest Taking (Circle One): Pre-algebra Algebra I Geome DIRECTIONS:	try Algebra II Pre-calculus	Calculus
1. You are NOT permitted to use a cal You have 45 minutes for Pre-Algebra		e. You have 60 minutes for Geometry and above.
2. All answers should be in standard a numbers unless otherwise stated.	simplified from unless otherwise sta	ted. All variables are assumed to stand for real
3	6. Lf 9 (or 49:1)	$(\chi_{-3}x-5)(\chi_{\overline{5}-3}x+5)$
2.	314	
3. 20/27	8 /3	
147	427	
5. Count any of these correct! $a^2(a-1)$ $a^2(1-a)$ $a^2(a+1)$ , $a^2(1-a)$	10.	15.
SCORE:	> w a.  1-a	
,	> or a.  1-a  2(a+1)	any equivalent

2018 McNa	ABB GDCTM Contest An	ISWED SHEET
Name: 2010 WIOTVA	_ School:	Date:
Contest Taking (Circle One): Pre-algebra Algebra I Geomet DIRECTIONS:	ry Algebra II Pre-calculus	Calculus
1. You are NOT permitted to use a calc You have 45 minutes for Pre-Algebra	culator or any other electronic device. You or Algebra I.	ou have 60 minutes for Geometry and above
		All variables are assumed to stand for rea
1.	6.	11.
2. 1/3	7. 4/9	
3.	20,40,60,, need one	or equivalent
4.	9.	14.
293/4	(0,0,0) (7,7,7) (512,5,15/2) needall	46
5	10.	15.

need both

10.

15.

SCORE:\_\_\_\_

Name: Key 2018 McNA	BB GDCTM CONTEST AN	
Contest Taking (Circle One): Pre-algebra Algebra I Geometr DIRECTIONS:	· 7	Calculus
1. You are NOT permitted to use a calcu You have 45 minutes for Pre-Algebra	ılator or any other electronic device. Yo or Algebra I.	ou have 60 minutes for Geometry and above
<ol><li>All answers should be in standard sin numbers unless otherwise stated.</li></ol>	mplified from unless otherwise stated.	All variables are assumed to stand for rea
1. 045	6. 3/3/16	11.
2.	7.	12. (or -12·h(1/2)) 12. \[ \]
1024	8. [0,8/ <sub>3</sub> ]	3+x+3x2+3x3
32.e.sinx	9. 1/2	14. 2t+1 or 2x+1

5.  $0 \le -2$   $(-\infty, -2]$ 

10.

15.

SCORE:\_\_\_\_