	2010 Chiles Mini Mu, Pre-Pilgebra: Cars, SOLUTIONS	
1.	32+42=42	i a
	25=42 OR 4 5	
	√25 = √y² notice 3,4,5 is a Pythagorean Triple	
	y= \$125	
	y=±5 11 8 12 12 12 12 12 12 12 12 12 12 12 12 12	
	A)5 is a value of y.	
2.	57 95	
	D,57 D95	
	3, (9) 5,(9)	
	c) 2 numbers are both factors of 57 and 95	
3.		
	$\frac{2}{\frac{7}{10}} = \frac{2}{10} \cdot \frac{3}{7} = \frac{3}{10}$	
	3 () 22	
	3 (track) = 20	
_	$track = 20 \cdot \frac{10}{3} = \frac{200}{3}$	
	$\frac{200}{3}$	
4-	a perimeter maximizes the area when	
	athe sides are equal	
	a+a+a+a=64	120
	4a=64	
	a=16 +length of each side	
	Area = (a)(a) = (16)(16) = 256	
_	c) 256	
5.	total = last season + this season	
	= 3d3 + 2d2	
	B) 3 d3+2d2 since value of "d" is not given	
-	- 一	

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6.	66 prime factorization	1	
	(11) 6		
	2 3		
	2.5		
	E) NOTA; answer is 11.		
٦.	Integers are \ 4, -3, -2, -1, 0, 1, 2, 3, 4 }		
	E) NOTA; all choices were integers		
8.	(8,15)		
	(0,0) 8/15		
	로 h (원생원 i j 로 jer j kett 하는 본) sult of the beforestron 역		
	Pythagorean Theorem $\chi^2 = 8^2 + 15^2$		
	$\sqrt{x^2} = 1289$		
	$\chi = 17$		
	A) 17		
9.	Prime numbers: 109, 113, 127, 131, 137, 139, 149, 151		
	Sur primes between 114 and 141	- 0	
	D4 between 114 and 141	1	
10.	60 4020000000000000000000000000000000000		
	1,60 (4)(15) these are composite		
	2,(30) - 5,(12)		
	3,20-60 018,000 01800 000		
	в) 8		
11.	A=Tr2 = 116 T = 4T = 200 101+ - 200 000 000 0000	8	
	17=4) by Adgress and Francis (Fig. 458)		
	d=2r=2(2)=4		
<u> </u>	.B)4		
			, A

	10 Chiles Mini Mu, Pre-Algebra Cars, SOLUTIONS	t
	trea of a sphere's surface= 4πr² 4πr², where v=π	
	$=4\pi(\pi)^2$	1
	$=4\pi^3$	
	0) 4-3	
	to the world to the day of	
3.	3 ≈ . 42857 Chundredtho decornal place	
+	V	
	≈.43	
	3) 0.43	
4.	1951+(-1)3(1957)	3
	3.00	
10%	1951+ (-1)(-1)(1957)	
	3 Jac Million William V Will also F 7	
	= 1951 + (-1)(1957)	
	a - To 1 1 2 3 Title without the in The State of the Stat	
	= 1951-1957	
	3	
	$=\frac{-6}{3}$	
	= -2	
1	4)-2	
5.	0.14030	
	0.13998	
	0.03032	
	2) 0.03032 & the sides differ by this much	75.465
		1
0.	7 = .875 = 87.5%	
	·8 .815 ·9 + F= 7.5 · 0 B = 75 · 1 = 8	-
+	10-01	
	D)90% is closer to 87.5% than the other choices	
_	<i>Cytalices</i>	
-		

	2010 Chiles Mini Mu, Pre-Algebra=Co T = (26)(62)	ars, Solutions
17-		Vision in the second second
	4!	parties 1975
	= (2)(2)(2)(2)(6)(6) (2)(2)(2)(2)(1)(6)	2.5 4
		74.24
121	$= (8)(36)12$ because $\frac{36}{3} = 12$	3 = 12
	3	3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
	= 8(12)	: TEV
	= 96	E Park
	D) 96	8.11 1982
18.	t3+105,000t2-13,000	â-1.**(1-)*
10		
	-these are each terms -the expression cannot be	simplified further
	c) 3 terms in the expression	
19.		ATION A sufference
((.	-(-3+2) # distribute(-) n	votice this is (1) (-3+2)
	= 11(3)-27	1 567 - 1/92
	3-2	
	= 33-27	9.7
	-1	Ş F 1
	= 5	r ~ 1 αι
	= 6	AVČV - H - Dr
	ben letter is THEWINS.	261-11-
	c)N	ERSE CO
20,	Square numbers: 16,25,	36.49 64.81
	t=49	between 40 and to
	s=t+25=49+25=74	Deforces.
	c)74	
	A STATE OF THE STA	Let 1

	2010 chiles MiniMu, Pre-Algebra: Cars,	SOLUTIONS	
21.	21. s=t+25	(1-3000-	
	175 pool to so beguld have he the interes of truth	Metall to fix	
	£ 5.5	ppp, s	
		Preloc	
	A) a line 3/1/19 3 m	2027 6-12	rtex.
22.	2 += 2		
	$v = t^3 - 5 = (3)^3 - 5 = 27 - 5 = 22$		
	s=t+25=3+25=28	. C	
	cio C S > V		
	tub (2>1		0
	A) r <s< th=""><th></th><th></th></s<>		
23.	3. $\left(3+\left((7-4)-\frac{6}{3}\right)^{20}+4\right)(3000)$	L = 170 June 1	0.0
	= (3+(3-2)20+4)(3000)	L. H.	
		THE	b
	= (3+1+4)(3000)	. Tre	
	= (8)(3000)	1.730 - 4	
	B) 24,000	1 1 12	
24.	$y = \frac{b}{x-3}$ when $x=1$		
	$y = \frac{6}{1-3}$		
	y = 6 -2		
	y = -3		
	E) NOTA		
25,	5, 3 + 8 + x = 1 & total		
	$\frac{3(7)}{7(7)} + \frac{8}{49} + \chi = \frac{49}{49}$		
	21+8 49 49 +x=49		
	49 49 21 8		
	7 = 49 - 49 49		
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
	B) 49		(

	2010 Chiles Mini Mu, Pre-Algebra: Cars, Souttons	2
26.		_
	= -1999 take positive of enclosed value	
	= 1999	
	c)1999	
27.	anthropomorphic 3/100 x 100	
	5 vowels	
	+3 + told to add 3 grant = = = = = = = = = = = = = = = = = = =	
	2	
	Carde root of 013 2	
	N/2	_
28.		
	2 7 8 40	_
29.	1 billion = 1,000,000,000 = 1×109=109	
		_
	c)109	
30.	C = 4I I = 1,000T C=Cars	1
	C=4I 4I=4,000T I= The Incredibles C=4I 4I=4,000T T= Toy Story	
	C = 4,000T	
	D) 4,000 (8	
	les and a - d and d'	
	ريم = المراجعة على	
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	Trisk B	
	THE LEXIBERT CO.	
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