<u>Equ</u>	<u>uations and Expressions Memory Check</u> NAME:	Per:
-	swer the following questions in detail:	
1. S	Solve $9n - 2 = 43$ .	
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2. S	Solve $8x - 4 = 52$ .	
3. N	Manuel just bought a new television for \$629.00. He made a down payment of \$57.00 ar	nd will pay
n	monthly payments of \$26.00 until it is paid off. How many months will Manuel be paying	
M	Manuel pays no interest.)	
4 S	Sally bought 4 boxes of pens for $6$ each and 7 packages of paper for $7$ each. Simplify $4$	4 • 6 + 7 • 7 tc
	find the amount Sally spent on pens and paper.	
г		
<b>E</b> 0	Simplify the expression: $4 - 3(2 + 5\iota) + 7$	
<b>ე</b> . ა	Simplify the expression. $4 - 3(2 + 3\nu) + 7$	
<b>6</b> . S	Simplify the expression: $46 - 12 \div 4 \times 3 + 20$ .	
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L		
<b>7</b> 1/	Identify the mistake that was made in simplifying the expression. Then correctly simplify	the everession
<b>7</b> . 10		the expression
	3(x-6) + (4x+12) - 6x =	
	3x - 9 + 4x + 12 - 6x =	

(3x + 4x - 6x) + (-9 + 12) =

x + 3

	4y - 3x - y + 2x - 8 + 5x + 2
Write	an expression with two operations that simplifies to 1.
Thod	entime thermometer reading of 72°F is 12°F lower than the doutime temperature required for the
openir	aytime thermometer reading of 72°F is 13°F lower than the daytime temperature required for the one of Samantha's neighborhood outdoor pool. Does the pool open when the temperature is 59°F. Use substitution of both numbers in an equation to prove the answer.
f vou	triple the number of times Elizabeth has cooked dinner for her family and then add 4, you get the
numbe	er of times her sister Joy has cooked the family's dinner. If Joy has cooked the family's dinner 25
imes,	how many times has Elizabeth cooked dinner?
	running around a track for a charity fundraiser. He completes some laps, and then he is joined lend Janine. They continue to rum together at the same constant rate for several more laps.
	Part A: When Luis completes 3 laps, Janine completes 5 laps. How many laps does Janine
	complete when Luis completes 6 laps? Explain.
	<b>Part B:</b> Janine's friends and family have agreed to donate \$8 for every Jap she runs. Luis's friends
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