Algebra I
3.5 Worksheet #4
Addition and Subtraction Equations

Name:_____

Date:_____ Hour: ____

Solve each equation. Write the letter corresponding to the solution wherever that solution occurs in the puzzle below. Find out what happens when you master addition equations.
Show your work. Box and check your solutions.

1. $x + 27 = 39$ F

2. $x + 13 = 26$ S

3. $x + 17 = 33$ L

4. $x + 24 = 41$ D

5. $x + 29 = 47$ G

6. $x + 39 = 58$ H

7. $x + 24 = 45$ C

8. $x + 37 = 60$ T

9. $x + 42 = 66$ E

10. $x + 18 = 49$ O

11. $x + 42 = 74$ A

___	___		___	___		___	___	___							
18	31		23	31		23	19	24							
___	___	___	___		___	___									
19	24	32	17		31	12									
___	___	___		___	___	___	___	___							
23	19	24		21	16	32	13	13	!						

Write an equation to describe each situation then use the Addition and Subtraction Properties of Equality to solve each equation. Show your work. Box and check your solutions.

9. Nina has been offered a $200 trade-in allowance on her old motorcycle if she buys a new one that costs $995. How much does she have to add to the trade-in allowance? Let x = the amount Nina will have to pay after her trade-in.

10. Harold's football coach would like him to weigh 210 pounds. If Harold now weighs 193 pounds, how much weight does he have to gain? Let x = the weight Harold needs to gain.

11. After $13.50 in deductions was taken out of Mark's pay last week, he received $54.25. How much did he earn? Let x = Mark's earnings before deductions.

12. After spending $3.50 for lunch, Karen had $7.25 left. How much did she have to start with? Let x = the amount of money Karen had before lunch.

13. Since noon, the temperature has changed −11 °C. The temperature now is −9 °C. What was the temperature at noon? Let x = the temperature at noon.

14. A mountain climber starts from an elevation of −282 feet (282 feet below sea level) and climbs to an elevation of 2000 feet (above sea level). What is the change in elevation?

Let x = how far the climber climbed (up).