

Complete as many of the following problems as you can. You do not have to go in order.

Note: This classwork is OPTIONAL.

- (1) Solve the following word problems:
 - (a) When twice a number is decreased by seven, the result is 33. What is the number?
 - (b) One number exceeds another number by 1. The sum of the numbers is 57. What are the numbers?
- (2) The length of a new rectangular playing field is 9 yards longer than double the width. If the perimeter of the rectangular playing field is 360 yards, what are its dimensions?
- (3) City Cabs charges a \$2.75 pickup fee and \$1.50 per mile traveled. Diego's fare is \$17.75. How far did he travel in the cab?
- (4) The price of a cordless telephone has been reduced by 20%. If the sale price is \$28.80, determine the original price.