Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ October 29, 2014

**Writing Equations for Linear Relationships**

**Write an equation to describe each of the following relationships.**

1. A cab company charges a $3.50 boarding fee and $0.50 per mile.

2. A plain medium pizza costs $8.00. Additional toppings cost $0.85 each.

3. Luis joined a gym that charges a membership fee of $99.95 plus $7.95 per month.

4. A tank currently holds 35 liters of water, and water is pouring into the tank at 15

liters per minute.

5. Jonas is riding his bicycle at 18 kilometers per hour, and he has already ridden for 40 kilometers.

6. A furniture salesperson earns $750 per week plus a 15% commission on all sales made during the week.

7. A puzzle company charges $10 per puzzle plus $5 to deliver each order by mail.

8. A summer movie club charges a $30 membership fee and then $5 per movie.