

Recall: Linear word problems have:

- y-intercept/ starting value
- rate of change/ slope =  $\Delta y / \Delta x$

Reminder: A variable represents the unknown.

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## CH3, L2 – Do Now

**Objective:** Given a scenario and expression, I will interpret and describe the contextual meaning of the expression.

**Think About It:** Xavier desperately needs to get a new cell phone because his loses charge very quickly throughout the day. He starts the day at 8am with 90% battery life and by 9am, his battery life is already down to 80%. At 10am he checks again and sees that he only has 70% left and he writes the expression  $90 - 10x$  on his paper. His friend, Marvin, asks him "What does that mean?"

**Part A:** Describe the meaning of the following components of the expression

i. 90 means \_\_\_\_\_

ii. -10 means \_\_\_\_\_

iii. x means \_\_\_\_\_

**Part B:** How could Xavier concisely (in a few words) explain the meaning of his expression to Marvin?

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1. Context is annotated for key information and meaning
2. Components of the expression are described in context
3. Interpretation of entire expression is written as a statement in context