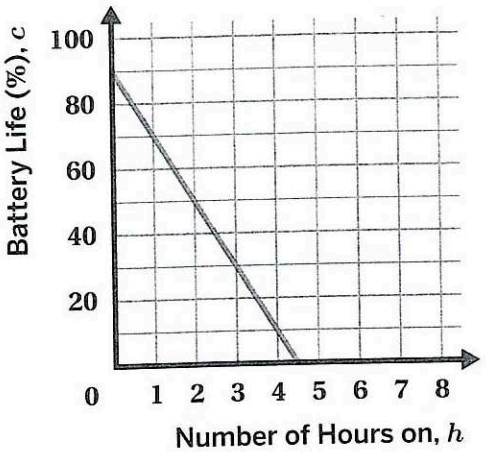
Name: _____ Date: _____ Period: _____

Practice 3.05

Problems 1–4: Tameeka is monitoring her computer's battery life. When the computer is on, the battery loses energy at a constant rate. This graph shows the percentage of battery life remaining, c, after the computer has been on for h hours.



1. What percent of battery life was left when Tameeka turned on the computer?

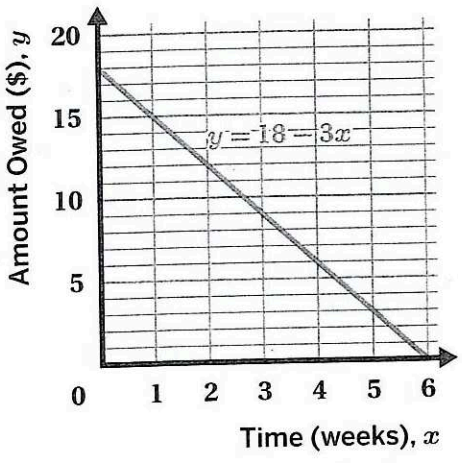
2. Complete the table.

Number of Hours On	0	1	2	...	3.5
Battery Life, %	90	70		...	

3. Write an equation that represents the percentage of battery life remaining, c, after the computer has been on for h hours.

4. After how many hours of being on will Tameeka's computer's battery life run out?

Problems 5–6: Juliana borrowed some money from her brother. She pays him back by giving him the same amount every week. The graph shows how much she owes him, y, after each week, x.



5. What is the vertical intercept and what does it represent in this situation?

6. What is the horizontal intercept and what does it represent in this situation?