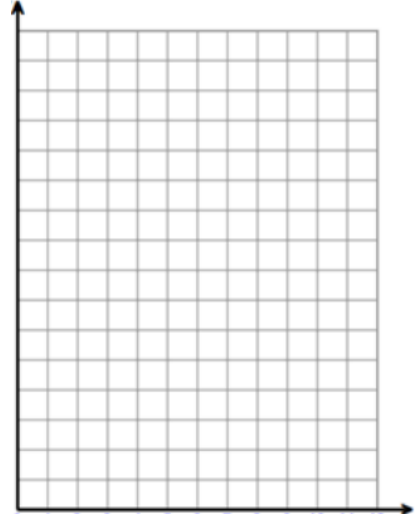


# Word Problems Worksheet

Name: \_\_\_\_\_

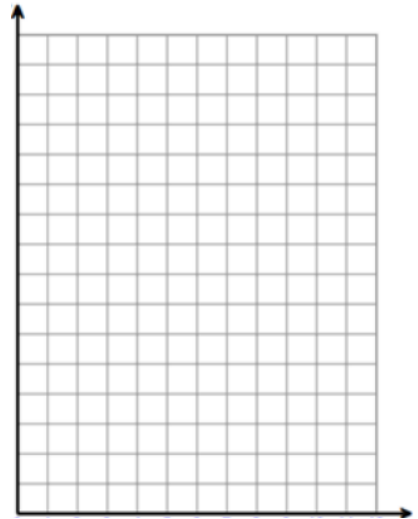
1. A cable company charges a one-time activation fee of \$100 plus \$50 per month for service.

- a) Graph. Don't forget to label each axis!!!
- b) Equation: \_\_\_\_\_
- c) What is the total cost after 6 months?



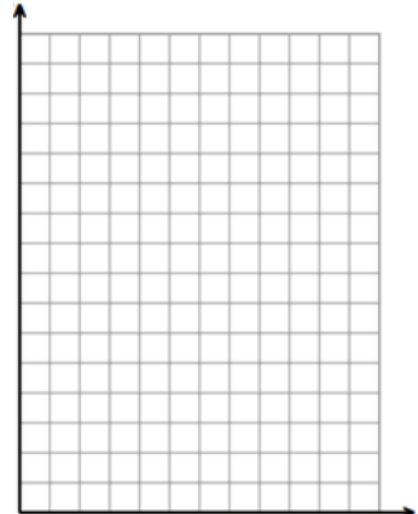
2. After a laptop is purchased, its value decreases by \$100 each year. After two years, the laptop is worth \$600.

- a) Graph. Don't forget to label each axis!!!
- b) Equation: \_\_\_\_\_
- c) How much was the laptop originally worth?



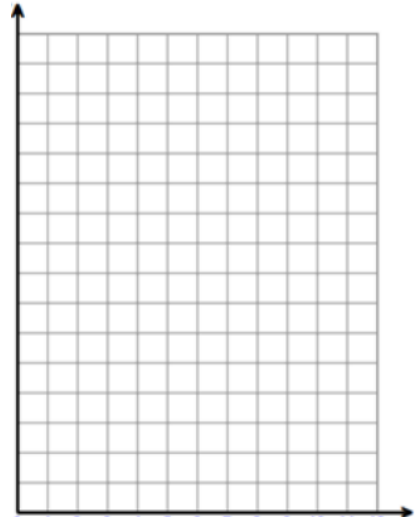
3. You decide to start adding \$5 each week to your bank account, which already has some money in it. After 4 weeks you have a total of \$65 in your savings account.

- a) Graph. Don't forget to label each axis!!!
- b) Equation: \_\_\_\_\_
- c) How much did your account start with?



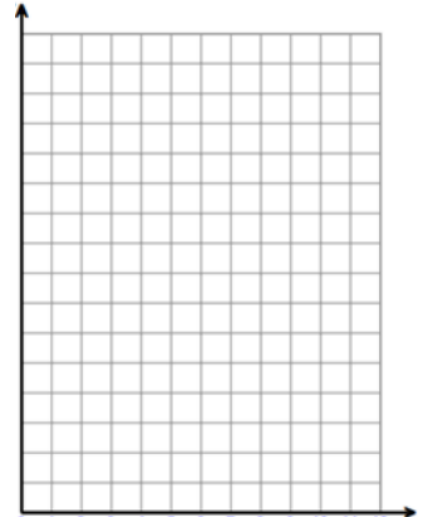
4. An online book club has a one-time shipping fee plus a cost per book.  
When you order 4 books the total cost is \$16.  
When you order 8 books the total cost is \$24.

- a) Graph. Don't forget to label each axis!!!
- b) Equation: \_\_\_\_\_
- c) What is the cost per book?
- d) What is the one shipping fee?



5. An elevator in a tall building begins at a point 110 ft above the ground.  
The elevator descends at a rate of 10 feet per second.

- a) Graph. Don't forget to label each axis!!!
- b) Equation: \_\_\_\_\_
- c) How long will it take the elevator to reach ground level?



6. There is an initial cost to rent a surfboard plus the cost per day.  
The total cost for 3 days is \$45 and the total cost for 8 days is \$70.

- a) Graph. Don't forget to label each axis!!!
- b) Equation: \_\_\_\_\_
- c) What is the initial cost of renting the surfboard?
- d) What is the rate per day for renting the surfboard?

