

SWS 2.2

Name \_\_\_\_\_

- 1) The local girls' soccer team would like to go to a week-long team camp during the summer.  
The girls will raise money by selling hoodie sweatshirts.

**The camp costs \$60 for every girl that attends.**

**The hoodies will be sold for \$12 per hoodie minus a \$240 printing fee.**

- (a) Write an equation to determine the (M) money needed to send the (G) girls to summer team camp.

- (b) Write an equation that shows how much (M) money will be raised for selling the (H) hoodies.

- (c) If 20 girls want to go to camp, how many hoodies do they need to sell?  
(You must set up both equations like we did in class)

- (d) If the girls can only sell 80 hoodies, how many girls will be able to attend the summer camp?  
(You must set up both equations like we did in class)

2) You are deciding which gym to join for the summer months.  
Each Gym has a different fee structure.

**GYM ABC charges a \$15 sign up fee plus \$7 per month.**

**GYM XYZ charges a \$5 sign up fee plus \$12 per month.**

(a) Write an equation to determine the (C) cost of joining GYM ABC. Use (M) for months.

(b) Write an equation to determine the (C) cost of joining GYM XYZ. Use (M) for months.

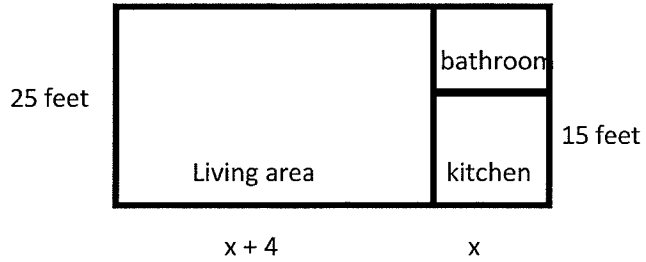
(c) If you join GYM ABC and your best friend joins GYM XYZ, calculate who will pay more after 3 months.  
Show all your math work below.

(d) If you join GYM ABC and your best friend joins GYM XYZ, find out how many months it will take before you are both spending the same amount of money. You can determine this by setting the two equations equal to each other and solve for the unknown number of months.

# SWS 1.4

Name \_\_\_\_\_

Your apartment consists of 3 rooms: kitchen, bathroom, living area.



Find the area of the living area

Find the area of the bathroom

Find the area of the kitchen

Combine all 3 rooms and find the area of the whole apartment.  
Simplify your answer

Find the perimeter of the whole apartment  
Simplify your answer

