

Name: _____

Graphing Linear Word Problems

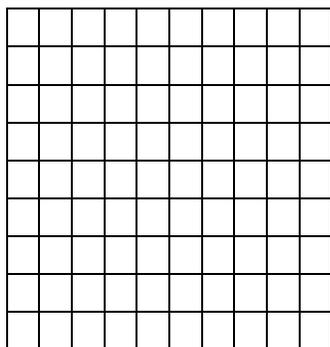
#1) Shannon wants to join Great Fitness Gym. There is a sign-up fee of \$85 that she must pay plus a monthly fee of \$30 to become a member of the gym.

What is the initial cost? _____ What does this represent? _____

What is the monthly fee? _____ What does this represent? _____

Write an equation to model this situation. _____

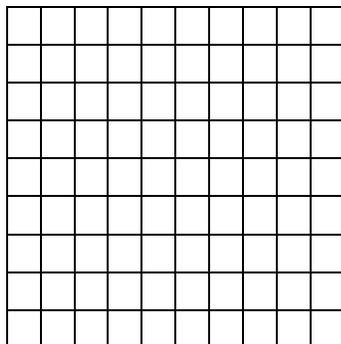
Graph it!



What is the total amount of money Shannon would pay for a 12 month membership at Great Fitness Gym?

#2) Angel is trying to save up to buy the new iPhone x. He currently has \$10 in his piggy bank. He decides to mow lawns to make money for his new phone. He makes \$30 per lawn.

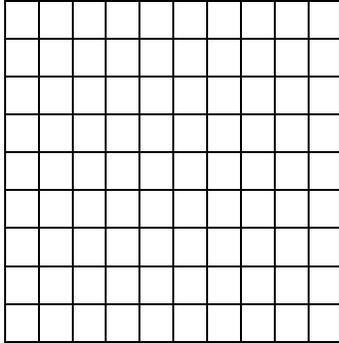
Write an equation to model this situation. _____



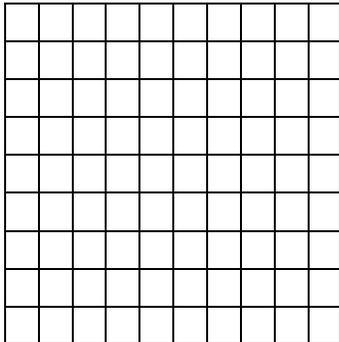
Use your equation to figure out how many lawns Angel will mow to earn the \$1000 phone.

Name: _____

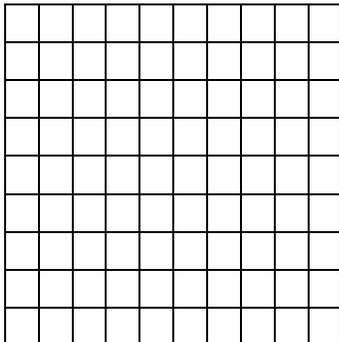
#3) The San Antonio Spurs have 54 points at half time. They only score 3 pointers in the 3rd quarters. Write and graph an equation to model this situation.



#4) Emily is hosting a luncheon. She plans on serving hamburgers and needs to serve 50 people. If each package of hamburger buns has 8 buns in it, write and graph an equation that will show how many packages she will need to buy.

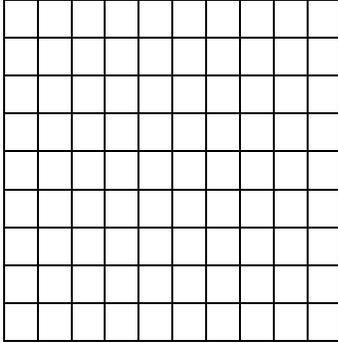


#5) Ben is trying to save up \$1500 to buy his first car, he already has \$400 in a savings account. He gets paid \$200 each week from his job, but can only save \$150 per week. Write and graph an equation to model this situation. How many weeks will it take Ben to save up for his car?



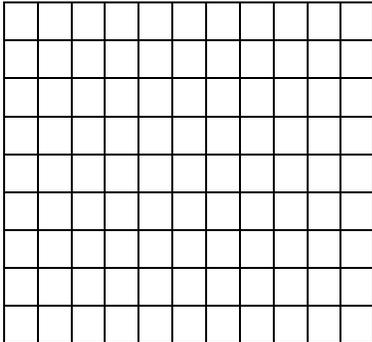
Name: _____

#6) When the amount of rain in Salem, Texas reaches 28 inches, a mandatory evacuation must be issued. If 13 inches of rain has already fallen, and the rain is expected to continue to fall at a rate of 4 inches per hour, how many hours will it take for the evacuation level to be reached? Write and graph an equation to model this situation.



#7) Write your own linear equation word problem:

Write and graph the equation that matches.



#8) Write your own linear equation word problem:

