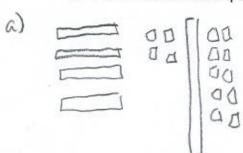
## Algebra Quiz 12/6/19

- You buy 4 pokemon cards from a friend, each at the same price. You give your friend a \$10 bill, and he gives you \$4 change.
  - a. If x is the cost of each sandwich, use materials to express this situation.
  - b. Write an equation describing the situation.
  - c. How much did each pokemon card cost?



c) 
$$4x+4=10$$
 $-4-4$ 
 $4x=6$ 
 $4x=1,50$ 

- 2. For each of the problems check if the x = \_\_\_\_ is a solution to the equation.
  - a. 3x + 1 = 16: Is x=4 a solution?
  - b. 5x 1 = 4x + 4: Is **x=5** a solution?

a) 
$$3.[1+1] \stackrel{?}{=} 16$$
  
 $3.[1+1] \stackrel{?}{=} 16$   
 $12+1 \stackrel{?}{=} 16$   
 $13 \stackrel{?}{=} 16$  X

3. Solve for x: 3x + 1 = 5x - 5

There are 3 goals in this work

- 1. Show the steps of solving the equation
- 2. Find your solution
- 3. Check the solution