## Chapter 3 Review

Solving equations and word problems

Name: $\qquad$
Date: $\qquad$ Pd: $\qquad$
Solve each equation, show all steps, and circle your final answer.

1. $\frac{3}{4} t-\frac{5}{6}=\frac{2}{3} t$
2. $3(3 y-1)=-3+6 y$
3. $4-3(4 m-5)=\frac{1}{2}(24 m-10)$
4. Gary makes toy tables and chairs as a hobby. The cost of the materials to make a table and two chairs is $\$ 45.50$. He sells this set for $\$ 120$. Gary wants to buy a new table saw that costs $\$ 1200$. How many sets of tables and chairs must he sell to make enough money to buy the new table saw? (Do the 5 things!)
5. A gas station offers a discount card that costs $\$ 75$ a year, but gives you a $\$ 0.25$ discount per gallon of gas purchased. How many gallons of gas do you need to purchase to justify buying the discount card? (Do the 5 things!)
