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

Ms. Williams and Ms. Narracci 693/691

Using Equations to Solve Word Problems

**Directions**: On your own, use the strategies we have discussed and demonstrated in class the last two days to solve the following word problems.

*Remember:*

1. **Read through the question CAREFULLY**.
2. **Underline ALL the key information**
3. **Translate the words into an equation.** (Example: 3 less than a number is 4 can be re-written as n-3=4.
4. **Solve the equation!** Make sure to solve for what the question is asking for.
5. **Substitute** (plug-in your answer) **and check!**
6. LeBron James signed a contract with the Miami Heat which gave him d **dollars just for signing the contract**. **In addition** to his agreed upon salary, he also **receives a $1000.00 bonus for every game the Heat wins**, as long as he played in the game.

1. Write an equation representing the total amount of money LeBron will earn in a year. **Let t=the total amount**.
2. If LeBron James **played in 50 games where the Heat won** throughout the season and received a **total of $50,000,000 for the year**. *How much money did LeBron make just for signing to contract?*
3. Check your answer in the space provided.
4. Tim Tebow, of the NY Jets, has decided to buy a new car. He wants to put d dollars down for a new BMW, and then make $500 payments per month.
5. Write an equation representing the total cost of Tebow’s new BMW. Let t= the total cost of this new car.
6. If Tebow’s new BMW costs a total of $30,000 and Tebow put $15,000 down when he first bought the car, for how long will he be paying off the car?
7. Substitute your answer and check!