Comp/Supp Word Problems – Notes Date: \_\_\_\_\_

When we are setting up a word problem, we need to take careful and necessary steps in identifying the variables, as well as determining what the question is asking us to solve for.dd, subtract, multiple, and divide, or equals.

KEY WORDS:

* An angle: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* Its complement: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* Its supplement: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* More/exceeds/excess: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* Less/difference: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* Product/of: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* Quotient: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



* Is/yields: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Ex 1: An angle is 30 more than two times its complement. Find the measure of both angles.



Ex2: The difference between an angle and its supplement is 60°. Find the measure of the smaller angle.



Ex3: Two angles are complementary. One angle is 18 more than three times its complement. Find the larger angle.

