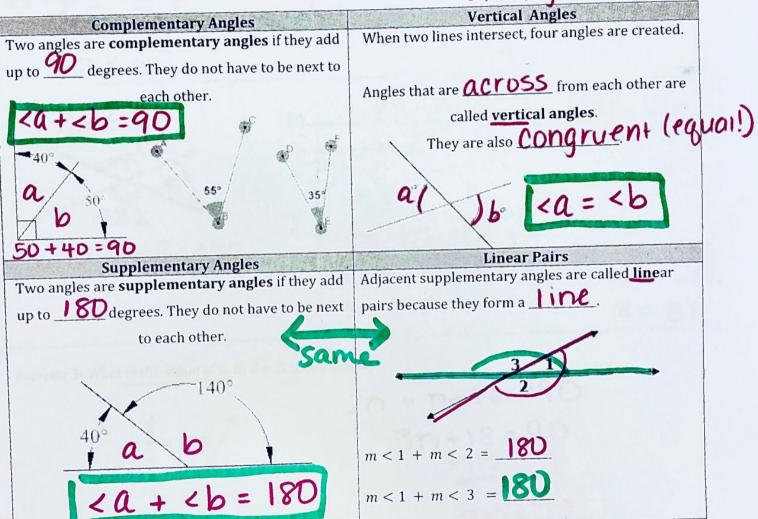
## 8-4 Complementary, Supplementary and Vertical Angles

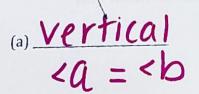
"I can determine the measure of an angle using angle relationships."

Warm Up: Answer the following questions based off your knowledge from 7th grade math.

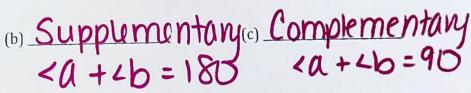
- · Define complementary angles: angles that add to 90°. Form a right angle.
- · Define supplementary angles: angles that add to 180: Form a Straight line.



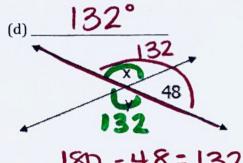
Exercise 1- Name the relationship: complementary, supplementary, vertical, or adjacent



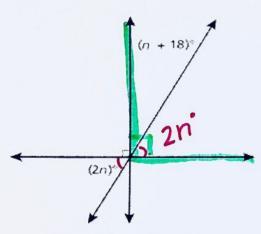




Exercise 2- given the diagram below; determine the missing value for the angles



Exercise 3- What is the value of n, in the diagram below?



$$2n + n + 18 = 90$$
  
 $3n + 18 = 90$   
 $-18 - 18$   
 $3n = 72$   
 $3n = 72$   
 $3n = 24$