**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Class\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**HW – Quiz Unit 5**

1. Define: **complementary, supplementary, vertical and adjacent** angles. Draw an example of each:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

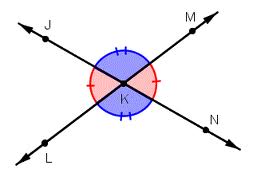
1. Two angles are supplementary and one angle measures 127 degrees. What is the measurement of the other angle?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Two angles are complementary and angle **(A)’s** measurement is **X + 5** and the other angle **(B)**’s measurement is **2x +4**. What do each of the angles measure? (hint: Add the 2 angles together and set equal to 90) solve for X, then substitute in for X and find each angle).
3. Two angles are supplementary. **ANGLE A** measures 3x+10;

**ANGLE B** measures 4x+9.

What are the measurements of **ANGLE A and ANGLE B**?

(hint: Add the 2 angles together and set equal to 180) solve for X, then substitute in for X and find each angle).

USE THE DIAGRAM BELOW FOR QUESTIONS 5-9.

[](http://www.google.com/imgres?hl=en&biw=1280&bih=521&tbm=isch&tbnid=9zkjP9rUZzNo4M:&imgrefurl=http://www.wyzant.com/resources/lessons/math/geometry/lines_and_angles/pairs_of_angles&docid=aZe0tt96TZNOyM&imgurl=http://dj1hlxw0wr920.cloudfront.net/userfiles/wyzfiles/c6659ec3-75b7-4fe2-a4f5-35227fe19b7c.gif&w=322&h=227&ei=GfgTU4rbMNCtkAew_ICgCQ&zoom=1&iact=rc&dur=780&page=3&start=28&ndsp=16&ved=0CMABEK0DMCI)

1. Name the 4 angles shown above: \_\_\_\_\_\_\_\_\_\_\_; \_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_; \_\_\_\_\_\_\_\_\_\_

1. Name 2 angles adjacent to angle LKN \_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Name an angle that is supplementary to angle MKN.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Name 2 pairs of vertical angles \_\_\_\_\_\_ & \_\_\_\_\_\_ \_\_\_\_\_ & \_\_\_\_\_.
4. Name an angle supplementary to angle JKL \_\_\_\_\_\_\_\_\_\_.