Geometry Concepts 1-3 Special Angle Relationships

Remember last class when we measured two angles then added them together. If the result is either 90$°$ or 180° then those angles have a special relationship. If more than two angles are involved then they ALL have a special relationship. And of course, it wouldn’t be math if we didn’t give these relationships a name. Check it:

**Part 1 – Definitions**

**Complementary –**

**Supplementary-**

**Vertical –**

**Part 2 – Discovery**

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Measure of $∠$FKL + $∠$IKL = \_\_\_\_\_\_\_\_ These angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Measure of $∠$FKG + $∠$HKG = \_\_\_\_\_\_\_ These angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Measure of $∠$FKG and measure of $∠$IKH is \_\_\_\_\_\_. Therefore, these angles are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 3 – Practice**

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Your magnificence will now be tested. Find as many complementary, supplementary, and vertical angle pairs as possible.

 **Complementary Supplementary Vertical**

\_\_\_\_\_\_ and \_\_\_\_\_\_ \_\_\_\_\_\_ and \_\_\_\_\_\_ \_\_\_\_\_\_ and \_\_\_\_\_\_

\_\_\_\_\_\_ and \_\_\_\_\_\_ \_\_\_\_\_\_ and \_\_\_\_\_\_ \_\_\_\_\_\_ and \_\_\_\_\_\_

\_\_\_\_\_\_ and \_\_\_\_\_\_ \_\_\_\_\_\_ and \_\_\_\_\_\_ \_\_\_\_\_\_ and \_\_\_\_\_\_

**Part 4 – You Lovin It?**

What is trick for remembering the difference between complementary and supplementary?

Find an example of vertical angles in the room and **secretly** show it to Mr. O or Mr. C right now.