Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ January 9, 2018

Kobrin/Losquadro Math 8

**Special Angle Relationships in Words – Homework**

1. If ∠PQR and ∠SQT are vertical angles and m∠SQT = 109°, find m∠PQR.
2. If ∠2 and ∠3 are complementary angles and m∠2 = 24°, find m∠3.
3. If ∠K and ∠L are supplementary angles and m∠K = 56°, find m∠L.
4. If ∠1 and ∠2 are supplementary angles and the m∠1 = 14x + 6° and m∠2 = 5x + 3°.  Find the m∠1 & m∠2
5. If ∠1 and ∠2 are complementary angles and the m∠1 = 8x + 4° and m∠2 = 5x – 5°.  Find the m∠1 & m∠2
6. If ∠1 and ∠2 are vertical angles and the m∠1 = 9x + 16° and m∠2 = 12x – 5°.  Find the m∠1 & m∠2.
7. Find the value of x.



1. Find the value of x.