Angle Pairs: Supplementary, Complementary, Vertical, Adjacent

Independent Set 6.T1

Name_____
Date_____
Period_____

Six questions, on your own, in silence. Show the step that does the work.

1. What is the complement of 61°?

2. What is the supplement of 76°?

3. Two lines cross, and one of the four angles is 58°. Find the other three.

4. A linear pair measures $(5x + 10)^\circ$ and 70°. Find x and the first angle.

5. Vertical angles measure $(7x - 9)^\circ$ and $(3x + 31)^\circ$. Find the measure of each angle.

6. $\angle PQR$ and $\angle RQS$ share the side QR and together make a straight line, and $m\angle PQR = 65^\circ$. Name the pair and find $m\angle RQS$.