

# Answer Presentation Tool

Book Chapter Section Exercises  (59 exercises)Display Cols  

1. Adjacent angles share a common ray, and are next to each other. Vertical angles form two pairs of opposite rays, and are across from each other.
2. linear pair with  $\angle 3$  and  $\angle 4$ ; This pair of angles is supplementary, but the other ones show complementary angles.
3.  $\angle LJM, \angle MJN$
5.  $\angle EGF, \angle NJP$
7.  $67^\circ$
9.  $102^\circ$
11.  $m\angle QRT = 47^\circ, m\angle TRS = 133^\circ$
13.  $m\angle UVW = 12^\circ, m\angle XYZ = 78^\circ$
15.  $\angle 1$  and  $\angle 5$
17. yes; The sides form two pairs of opposite rays.
19.  $60^\circ, 120^\circ$
21.  $9^\circ, 81^\circ$

- 23.** They do not share a common ray, so they are not adjacent;  $\angle 1$  and  $\angle 2$  are adjacent.
- 25.**  $122^\circ$
- 46.**
- a.** yes; They are marked as congruent.
  - b.** yes; Point  $A$  lies on  $\overline{CF}$ .
  - c.** no; They do not have a special relationship, and their angle measurements are unknown.
  - d.** no; They are not marked as congruent.
  - e.** yes; They appear to intersect at point  $A$  in the diagram.
  - f.** yes; They are adjacent, and  $\angle BAD$  is marked as a right angle.
  - g.** yes;  $\angle BAD$  and  $\angle DAE$  are a linear pair, and  $\angle BAD$  is marked as a right angle.