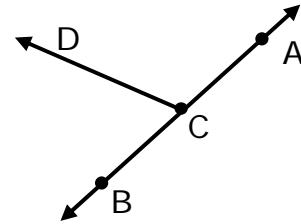Name _____   Date _____

Geometric Proofs On Lines and Angles - Independent Practice Worksheet

Complete all the problems. Make sure to draw pictures to help you solve the problems.

1. Given line WXY, m∠BCD = 80°

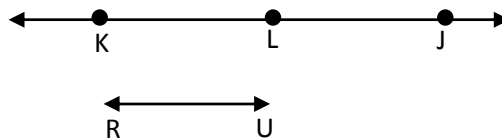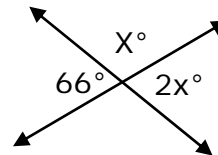So what is the value of m∠ACD

2. Given L is midpoint of KJ

$\overline{KL} \cong \overline{RU}$

Is $\overline{RU}$ is ≅ to $\overline{KJ}$ or $\overline{LJ}$?

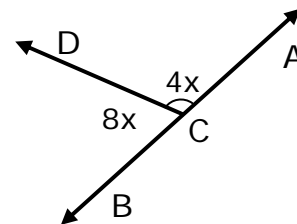3. Find the value of ∠2x° in the figure.

4. Find the value of ∠x° in the figure.

5. Find the value of ∠x° in the figure.

6. ∠2 = ∠6 , ∠1 = ∠5
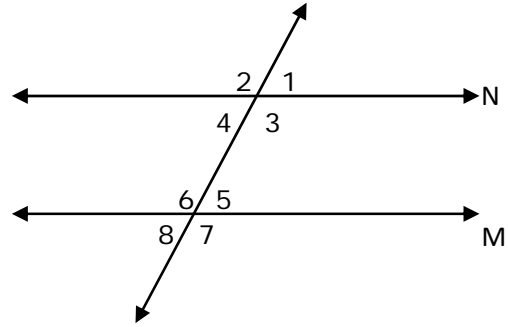
Is line N || M?

7. Line E || F

Find Alternative opposite angle.
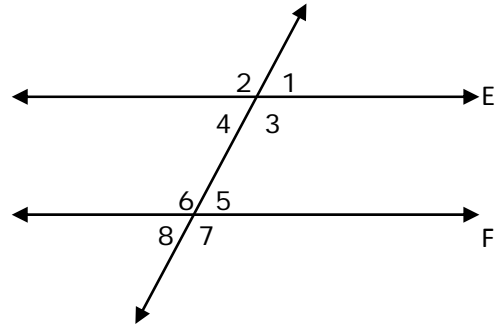
8. ∠2 is supplementary ∠7.

Is line S || V?
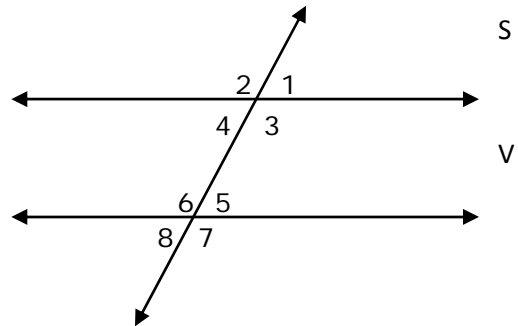
9. AB ≅ CD

CQ ≅ PB

Is AP ≅ QD?
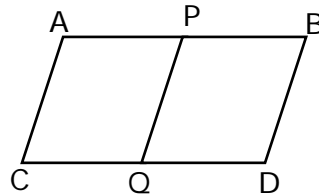
10. Given ∠X = ∠Y

Find if line P || Q?