

Ans. Quiz Practice 3.1, 3.2, 3.3, 3.4

Section 3.1

- 6 \overleftrightarrow{MN} or \overleftrightarrow{GK}
- 7 \overleftrightarrow{KL} , \overleftrightarrow{JM} or \overleftrightarrow{MN}
- 8 \overleftrightarrow{MN} , \overleftrightarrow{JM} or \overleftrightarrow{KL}
- 9 plane NML
- 10 \overleftrightarrow{HN} , \overleftrightarrow{GH} , \overleftrightarrow{JM} or \overleftrightarrow{KJ}
- 11 corresponding
- 12 alternate interior
- 13 consecutive interior
- 14 corresponding
- 15 alternate exterior

Section 3.2

1. Vertical Angle Th. (VAT)
2. Transitive Property
3. Linear Pair Postulate.
4. 61°
5. $\angle 1$ and $\angle 2$ are a linear pair. Thus, $\angle 1$ and $\angle 2$ are supplementary.

Section 3.3

1. $m\angle 1 = 118^\circ$ [Corresponding Angle Post]
 $m\angle 2 = 118^\circ$ [Alt. Ext. Angle Th or Vertical Angle Th]
2. $m\angle 1 = 72^\circ$ [Alt. Int Angle Th]
 $m\angle 2 = 108^\circ$ [Consecutive Int Angle Th or Linear Pair Post]
3. $m\angle 1 = 127^\circ$ [VAT]
 $m\angle 2 = 127^\circ$ [Corresponding Angle Post or Alt. Ext. Angle Th]
4. $x = 81$, $y = 81$
5. $x = 82$, $y = 82$
6. $x = 90$, $y = 90$
7. 19
8. 34
9. 28.5

Section 3.4

1. yes : Linear Pair Postulate and Alt. Int Angle
or Corresponding Angle ~~Post~~ Converse.
2. yes : Angle Addition Postulatend Corresponding Angle Con.
3. yes : Angle Addition Postulatend Consecutive Int. Angle Con
10. $m \parallel l$ [Consecutive Alt. Ext. Angle Converse]
11. $m \parallel l$ [Corresponding Angle Converse]
12. $n \parallel g$ [Alt. Ext. Angle Converse]
13. $n \parallel g$ [Alt. Int Angle Converse]
14.
 1. Given
 2. Corresponding Angle Post
 3. Given
 4. Transitive
 5. Alt. Ext. Angle Converse