

Answer Key

Lesson 3.1

Practice Level C

1. parallel 2. perpendicular 3. skew
4. parallel 5. perpendicular 6. $\overleftrightarrow{QW}$, $\overleftrightarrow{SY}$, $\overleftrightarrow{TZ}$
7. $\overleftrightarrow{YZ}$, $\overleftrightarrow{ST}$ 8. $\overleftrightarrow{RQ}$, $\overleftrightarrow{QW}$, $\overleftrightarrow{ST}$, $\overleftrightarrow{TZ}$
9. plane TQW , plane SRX , plane ZWX ,
plane SRX 10. plane WXY
11. corresponding 12. alternate exterior
13. alternate interior 14. consecutive interior
15. alternate exterior 16. alternate interior
17. $\overleftrightarrow{OL} \parallel \overleftrightarrow{VN}$ 18. $\overleftrightarrow{VN} \perp \overleftrightarrow{RT}$
19. No; the markings do not indicate that the lines are parallel
20. Yes; since $\overleftrightarrow{OL}$ is parallel to $\overleftrightarrow{VN}$ and $\overleftrightarrow{VN}$ is perpendicular to $\overleftrightarrow{TR}$
21. sometimes 22. never 23. always 24. never
25.  26.  27.  28. 
29. $\angle 6$, $\angle 10$ 30. $\angle 5$, $\angle 11$ 31. $\angle 1$, $\angle 8$
32. $\angle 2$, $\angle 6$ 33. true 34. true 35. false