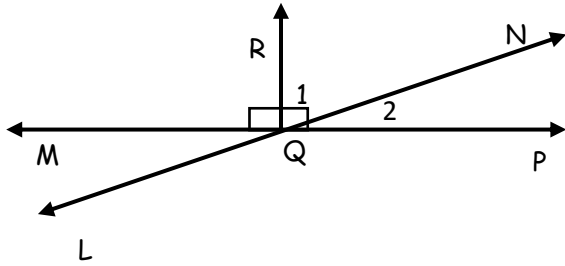


Section 1: Use the diagram to answer questions 1-13. (1 pt. each)

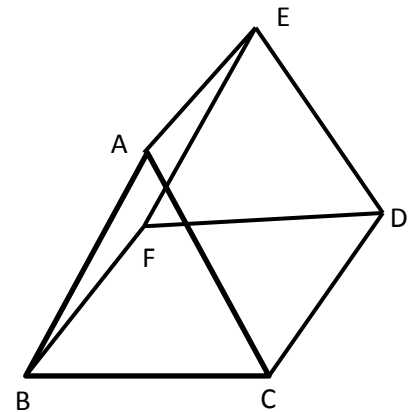


Q is the midpoint of \overline{MP}
 $\angle 1 \cong \angle 2$

- _____ 1. Name three collinear points.
- _____ 2. Name three non-collinear points.
- _____ 3. Name two congruent segments.
- _____ 4. Name an angle bisector.
- _____ 5. Name a right angle.
- _____ 6. Name a pair of adjacent angles.
- _____ 7. Name a pair of \cong , supplementary \angle s.
- _____ 8. Name a pair of complementary angles.

Section 2: Use the diagram to answer questions 14 – 19. (1 pt. each)

14. Are points A, C, and D coplanar? _____
15. Are points E and D collinear? _____
16. Are points A and D collinear? _____
17. Where do \overleftrightarrow{ED} and \overleftrightarrow{DC} intersect? _____
18. Where do Plane ABC and Plane EFD intersect? _____
19. Where do Plane ACD and Plane ABC intersect? _____

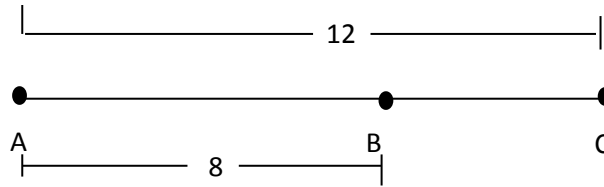


Matching: (1 pt. each)

- | | |
|--------------------------------------|-------------------------|
| 20. \overleftrightarrow{XY} _____ | A. Segment XY |
| 21. \overline{XY} _____ | B. Length of segment XY |
| 22. XY _____ | C. Ray YX |
| 23. $\overline{\overline{XY}}$ _____ | D. Line XY |
| 24. \overrightarrow{YX} _____ | E. Ray XY |

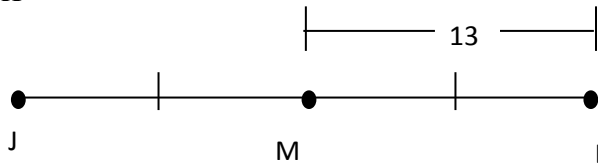
Find the indicated lengths. (2 pts. each answer)

25.



BC = _____

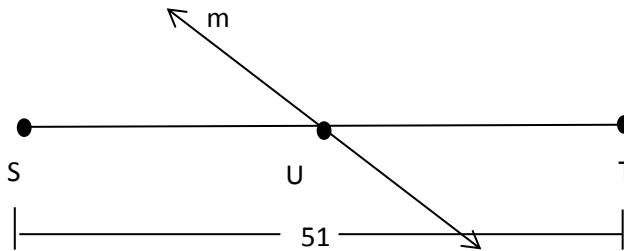
26. M is the midpoint of \overline{JK}



JM = _____

JL = _____

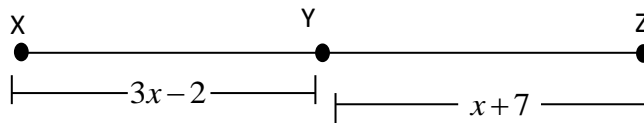
27. Line m bisects \overline{ST} at point U



SU = _____

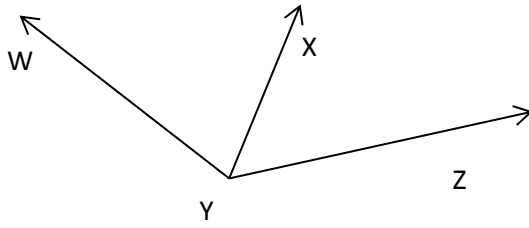
UT = _____

28. Y is the midpoint of \overline{XZ} . Find x. (3 pts. – show work)



x = _____

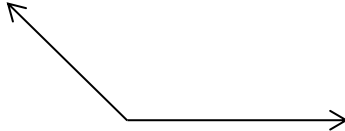
29. Name all of the angles. Hint: There should be three total. (3 pts.)



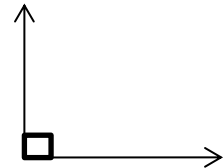
Classify each angle as acute, obtuse, right, or straight. (1 pt. each)

30. $\angle C = 62^\circ$

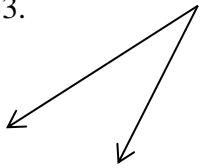
31.



32.



33.

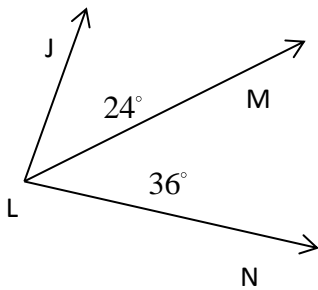


34. $\angle M = 180^\circ$

35. $\angle F = 93^\circ$

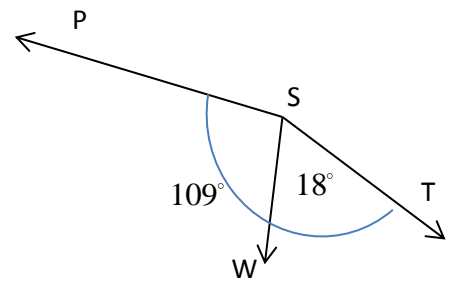
Find the indicated angles. (2 pts. each)

36.



$m\angle JLN =$ _____

37.



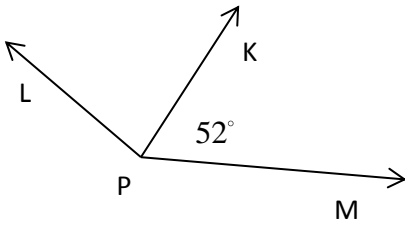
$m\angle PSW =$ _____

38. $\angle A$ is the *complement* of $\angle B$. If $m\angle A = 42^\circ$, then $m\angle B =$ _____

39. $\angle A$ is the *supplement* of $\angle B$. If $m\angle A = 126^\circ$, then $m\angle B =$ _____

Find the indicated angles. (2 pts. each answer)

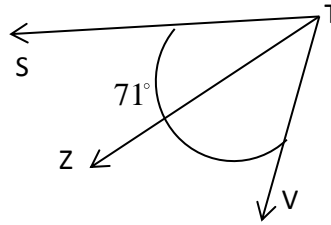
40. \overrightarrow{PK} bisects $\angle LPM$



$m\angle LPK =$ _____

$m\angle LPM =$ _____

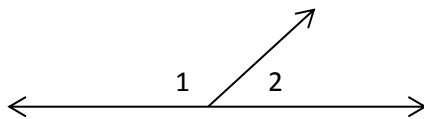
41. \overrightarrow{TZ} bisects $\angle STV$



$m\angle STZ =$ _____

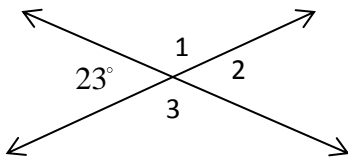
$m\angle ZTV =$ _____

42. Are the following angles adjacent? Why or why not? (2 pts.)



Find the indicated angles or variables. (2 pts. each answer)

43.

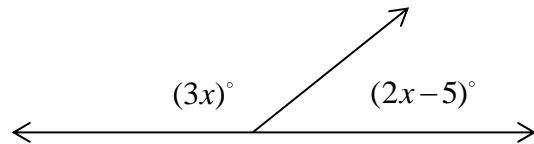


$m\angle 1 =$ _____

$m\angle 2 =$ _____

$m\angle 3 =$ _____

44.



$x =$ _____ (3 pts.-show work)

45. What is the special name given to angles 1 and 3 in question 43? (1 pt.)

46. What is the special name given to angles 2 and 3 in question 43? (1 pt.)