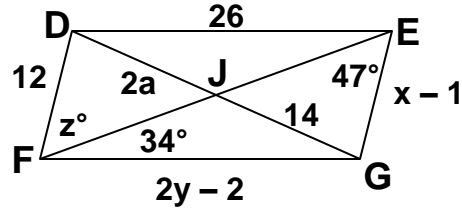


Characteristic (85 checks only)	Polygon	Quadrilateral	Parallelogram	Rhombus	Rectangle	Square	Kite	Trapezoid	Isosceles Trapezoid
Opposite sides parallel & congruent									
Opposite angles congruent									
Consecutive angles supplementary									
Diagonals bisect each other									
Bases Parallel									
Legs are not Parallel									
Leg angles are supplementary									
Median is parallel to bases									
Median = $\frac{1}{2}$ (base + base)									
All 4 sides congruent									
Diagonals perpendicular									
Diagonals bisect opposite angles									
Four Angles all 90°									
Diagonals congruent									
Diagonals divide into 4 Δ s \cong									
Legs are congruent									
Base angle pairs congruent									
4 sides									
4 Interior angles that sum to 360°									
4 exterior angles that sum to 360°									
Closed figure									
Line segments for sides									

- The sum of the measures of interior angles, $S =$ _____
- The sum of the measures of the exterior angles is _____
- To find the number of sides, you divide 360 by the _____ angle.
- The interior angle plus the exterior angle equal _____
- Match the following;
 Regular All sides not equal; all angles not equal
 Irregular All sides equal; all angles equal

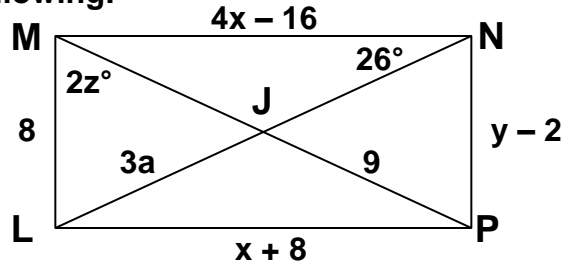
In the *parallelogram* state the equation and solve for the following:

- 6. $x =$ _____
- 7. $y =$ _____
- 8. $z =$ _____°
- 9. $a =$ _____
- 10. $\angle EGF =$ _____°



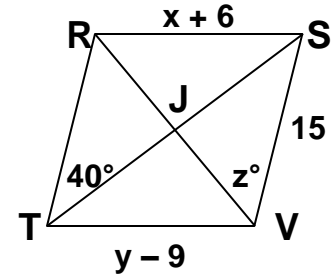
In the *rectangle* state the equation and solve for the following:

- 11. $x =$ _____
- 12. $y =$ _____
- 13. $z =$ _____°
- 14. $a =$ _____
- 15. $\angle MJN =$ _____°



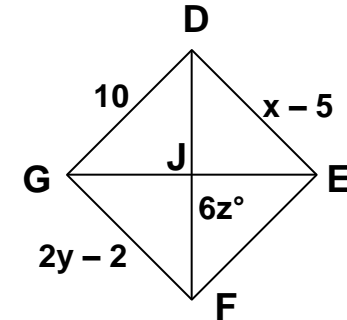
In the *rhombus* state the equation and solve for the following:

- 16. $x =$ _____
- 17. $y =$ _____
- 18. $z =$ _____°
- 19. $JV =$ _____ if $SJ = 12$
- 20. $\angle RSJ =$ _____°



In the *square* state the equation and solve for the following:

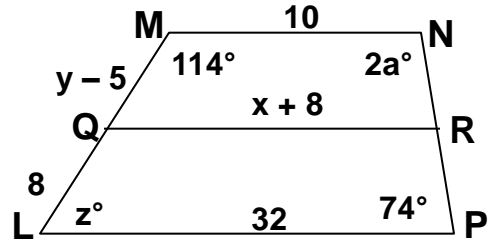
- 21. $x =$ _____
- 22. $y =$ _____
- 23. $z =$ _____°
- 24. $DJ =$ _____
- 25. $\angle JEF =$ _____°



In the *trapezoid* state the equation and solve for the following:

- 26. $x =$ _____
- 27. $y =$ _____
- 28. $z =$ _____
- 29. $a =$ _____
- 30. $NR =$ _____ if $NP = 12$

QR is a *median* in both trapezoids



In the *isosceles trapezoid* state the equation and solve for the following:

- 31. $x =$ _____
- 32. $y =$ _____
- 33. $z =$ _____°
- 34. $a =$ _____°
- 35. $EG =$ _____ if $DF = 30$

