

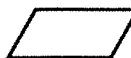


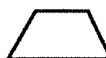
GEOMETRIC CONCLUSIONS





 A POLYGON is a closed, plane figure with sides that are line segments.


 A QUADRILATERAL is a polygon with four sides.

 A PARALLELOGRAM is a quadrilateral with two pairs of parallel sides.

 A TRAPEZOID is a quadrilateral with exactly one pair of parallel sides.

 A RECTANGLE is a quadrilateral with four right angles.

 A SQUARE is a rectangle with four equal sides.

 A RHOMBUS is an equilateral quadrilateral.

Complete each sentence below with the appropriate phrase:

can be

is always

is never

1. A parallelogram _____ a polygon.	16. A quadrilateral _____ a square.
2. A parallelogram _____ a rectangle.	17. A parallelogram _____ a rhombus.
3. A rectangle _____ a square.	18. A rhombus _____ a quadrilateral.
4. A quadrilateral _____ a rhombus.	19. A rectangle _____ a rhombus.
5. A trapezoid _____ a square.	20. A quadrilateral _____ a trapezoid.
6. A square _____ a rectangle.	21. A trapezoid _____ a parallelogram.
7. A rectangle _____ a parallelogram.	22. A square _____ a trapezoid.
8. A parallelogram _____ a square.	23. A rhombus _____ a rectangle.
9. A quadrilateral _____ a rectangle.	24. A rectangle _____ a trapezoid.
10. A square _____ a parallelogram.	25. A square _____ a rhombus.
11. A trapezoid _____ a rhombus.	26. A parallelogram _____ a trapezoid.
12. A rhombus _____ a parallelogram.	27. A rhombus _____ a trapezoid.
13. A parallelogram _____ a quadrilateral.	28. A trapezoid _____ a quadrilateral.
14. A rhombus _____ a square.	29. A quadrilateral _____ a parallelogram.
15. A trapezoid _____ a rectangle.	30. A polygon _____ a quadrilateral.