

New Concepts

- Parallelogram

Problem Set #26

*“Questions are creative acts of intelligence.”*

- Frank Kingdon

New Postulates and Theorems

- Theorem 34 – If a quadrilateral is a parallelogram, then opposite sides are congruent.
- Theorem 35 – If a quadrilateral is a parallelogram, then opposite angles are congruent.
- Theorem 36 – If a quadrilateral is a parallelogram, then the diagonals bisect each other

Exercises:

p.169 #5-31odd

Problems:

26-1 Quadrilateral Constructions

- Using a compass and straightedge, construct a quadrilateral with side lengths in the ratio 4:5:6:7.
- Using a compass and straightedge, construct a parallelogram with one side twice as long as another side.
- Using a compass and straightedge, construct a parallelogram with one diagonal twice the length of the other diagonal.