

New Concepts
Complementary
Supplementary
Vertical

Problem Set #8

“Music is the pleasure the human mind experiences from counting without being aware that it is counting.”
- Gottfried Leibniz

New Postulates and Theorems

- Theorem 6 – If two angles are vertical, then they are congruent.

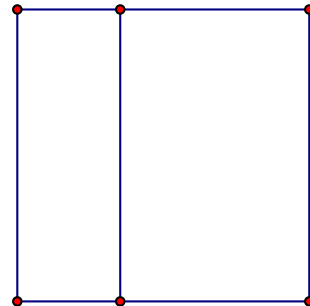
Exercises:

p.53 #19-31odd, 32-35

Problems:

8-1 Dividing a Square

A square is divided into rectangles whose areas are 9 and 16.
What is the perimeter of the smaller rectangle?



8-2 Stacking Squares

Three congruent squares are drawn so that the midpoints of the two sides of the bottom squares are the vertices of the top square. If $AB = 100$, what is the area of one of these squares?

