

NOTES, VOCABULARY, AND SPELLING ON SHAPES IN THE TANGRAM



A. BRIEF HISTORY OF THE TANGRAM: definition: _____

B. VOCABULARY & DEFINITIONS of Terms in a Tangram.
Match the word on the left with the letter of the best definition.

polygon ____

a. a four-sided shape with 4 right angles and all sides of equal length (congruent)

parallel ____

b. a flat surface having only length and width

square ____

c. any closed shape made of line segments is called this

rectangle ____

d. two lines which meet or intersect at 90 degrees or right angles

right triangle ____

e. a quadrilateral (4 sides) which has 4 right angles and congruent (equal-lengthed sides)

parallelogram ____

f. the study of shapes, their measurements, and relationships

trapezoid ____

g. a special triangle which has one right or 90 angle

perpendicular ____

h. lines which run next to each other for ever like railroad rails

plane ____

i. any closed shape made of line segments (not curved) on a plane or flat surface

geometry ____

j. a quadrilateral with two pair of parallel lines, no right angles

C. DRAW THE SHAPES BELOW WITH THE PROPER SYMBOLS (showing proper symbols for congruent line segments and congruent angles--will be explained)

rectangle

square

right isosceles triangle

parallelogram

trapezoid

perpendicular lines

parallel lines

D. STUDY WITH A PARTNER AND TEST YOURSELF ON THE WORDS AND DEFINITIONS ABOVE. EXPERTS WILL LEARN HOW TO SPELL ALL OF THEM. WHEN READY. CHALLENGE ANOTHER TEAM, OR GET QUIZZED BY ONE OF YOUR INSTRUCTORS.