



Lines, Angles, and Figures

Worksheet 2

Choice *E*, in multiple-choice questions, is always: *I request help from the teacher.*

You may mark *E* in addition to one other choice if you think that you have the right answer to the question but you do not feel that you have a complete understanding of the problem.

Your teacher will decide whether to use the two-point or four-point scoring rubric for problems that use numbers, pictures, or words to justify/explain your answer(s). You may request help for these questions, too. Write the word “teacher” by your answer(s).

- If a triangle has sides of lengths 3 inches, 4 inches, and 6 inches, it is which type of triangle?
A. right B. scalene C. isosceles D. equilateral E. Teacher
 - If a triangle has two angles that measure 70° and 70° , what type of triangle is this?
A. obtuse B. acute C. right D. isosceles E. Teacher
 - A STOP sign has eight sides and is called
A. a quadrilateral B. a hexagon C. an octagon D. a pentagon E. Teacher
 - Quadrilateral ABCD has sides $BC = AD$ and $AB \parallel DC$. What is the name of this figure?
A. pentagon C. isosceles triangle
B. trapezoid D. hexagon
E. Teacher
-
- If a line “a” intersects a line “b” at right angles, the lines are called
A. perpendicular B. parallel C. vertical D. skew E. Teacher
 - Think about a parallelogram. Think about a trapezoid.
 - How are they the same? Use words, pictures or diagrams to explain your answers.
 - How are they different? Use words, pictures or diagrams to explain your answers.
 - Draw an equilateral triangle. Draw a line segment within the triangle to show its altitude. Label your drawing.
 - Draw a polygon and then add a diagonal to the polygon. Label your drawing.
 - Draw a model of two intersecting planes that are neither parallel nor perpendicular. Label your drawing.
 - Explain why a square is a rectangle but a rhombus may or may not be a rectangle. Support your answer with words and pictures.