

GEOMETRY AND SPATIAL SENSE

- classify and construct polygons and angles
- sketch three-dimensional figures, and construct three-dimensional figures from drawings
- describe location in the first quadrant of a coordinate system, and rotate two-dimensional shapes

6 – GSS – PRE TEST (1 QUESTION). LEVEL: _____

FIRST NAME, LAST NAME: _____

CLASS: _____

Name _____

Date _____

Master 3.12

Additional Activity 2: Sorting Quadrilaterals

Work on your own.

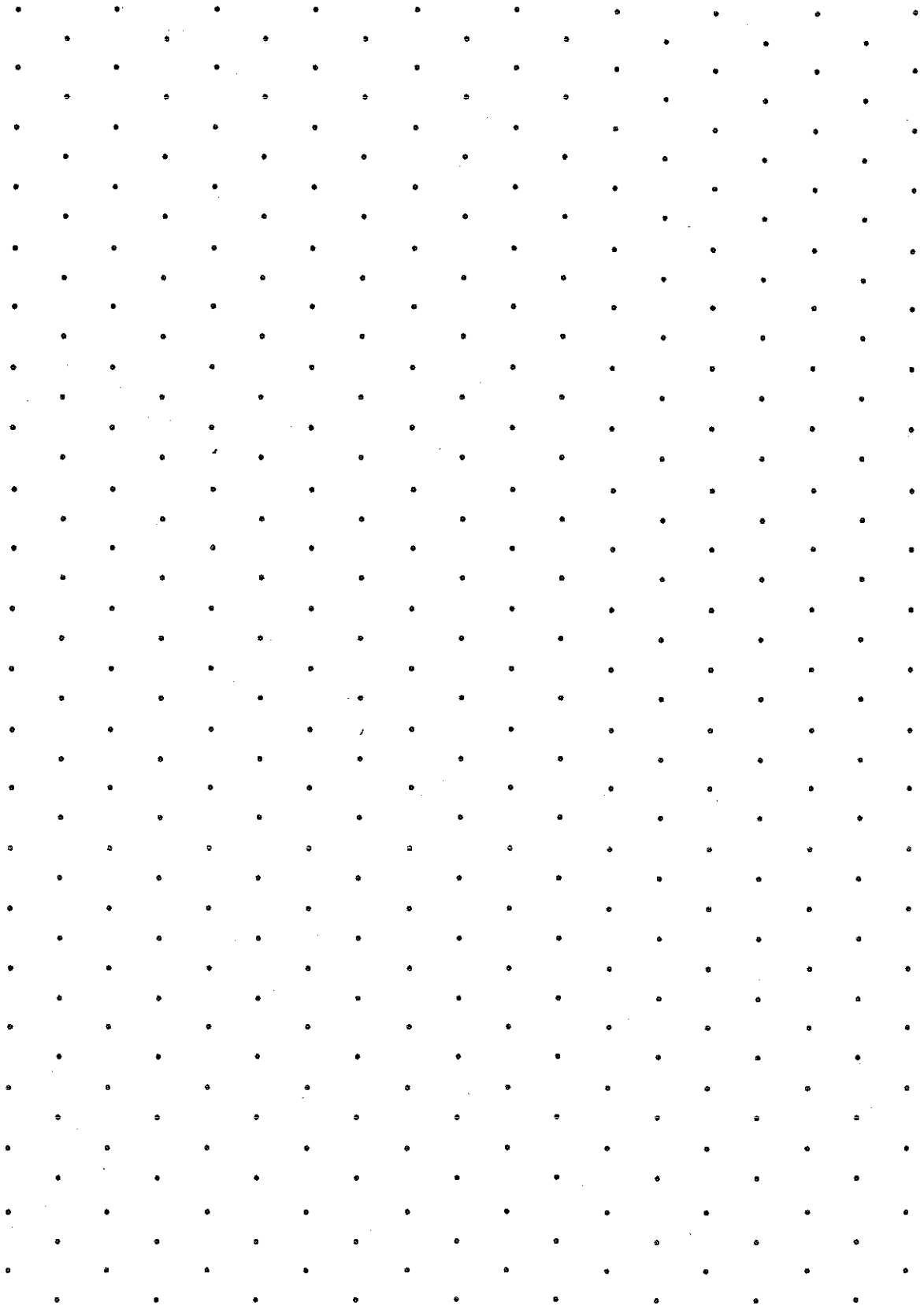
You will need triangular dot paper, square dot paper, and scissors.

Draw one example of each figure:

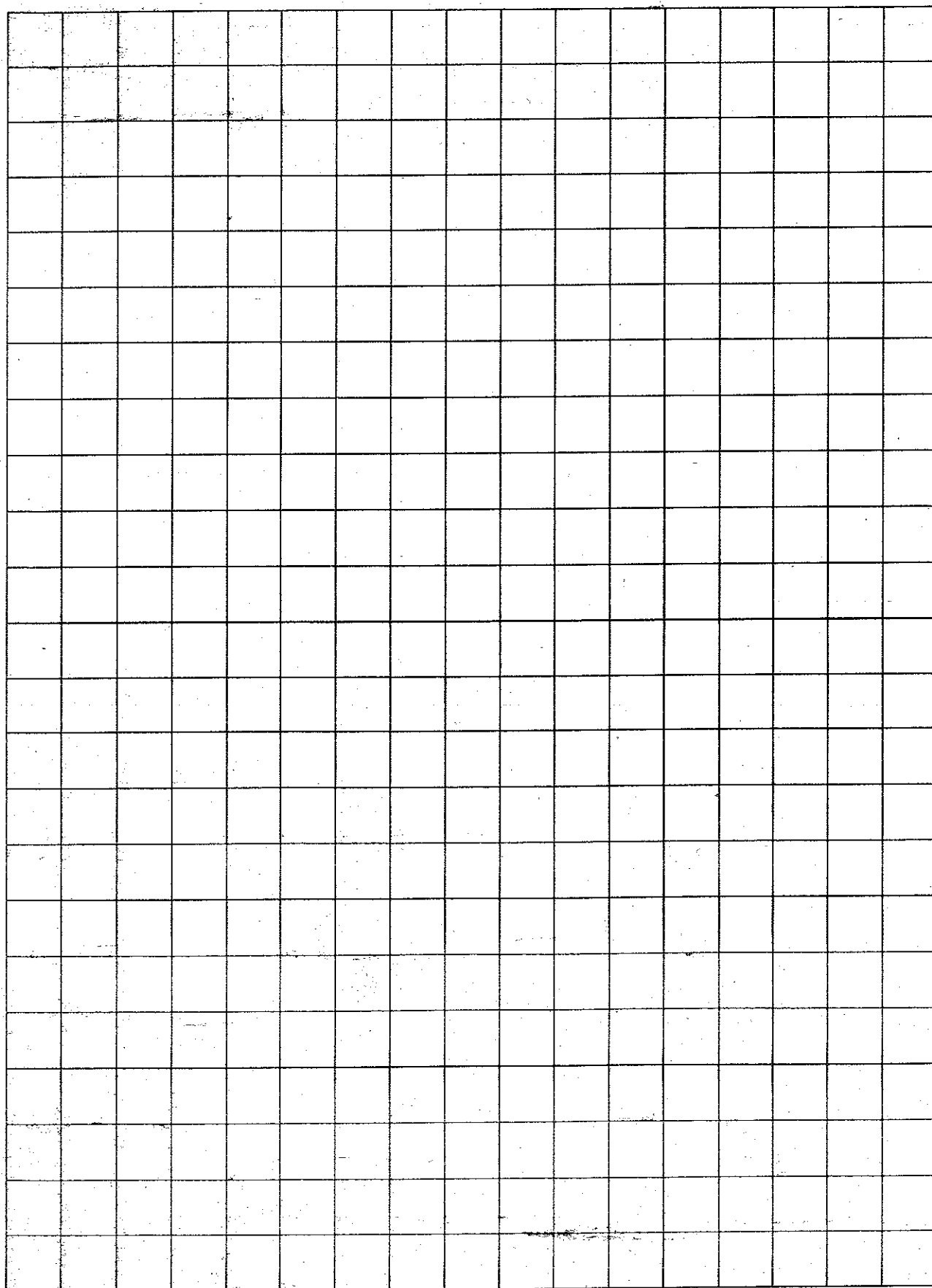
- square
- rhombus
- parallelogram
- rectangle
- trapezoid
- kite
- irregular quadrilateral

Cut out the figures. Choose 2 attributes. Sort your figures.
Use a Venn diagram to record your sorting.

Isometric Dot Paper



1-Centimeter Squares



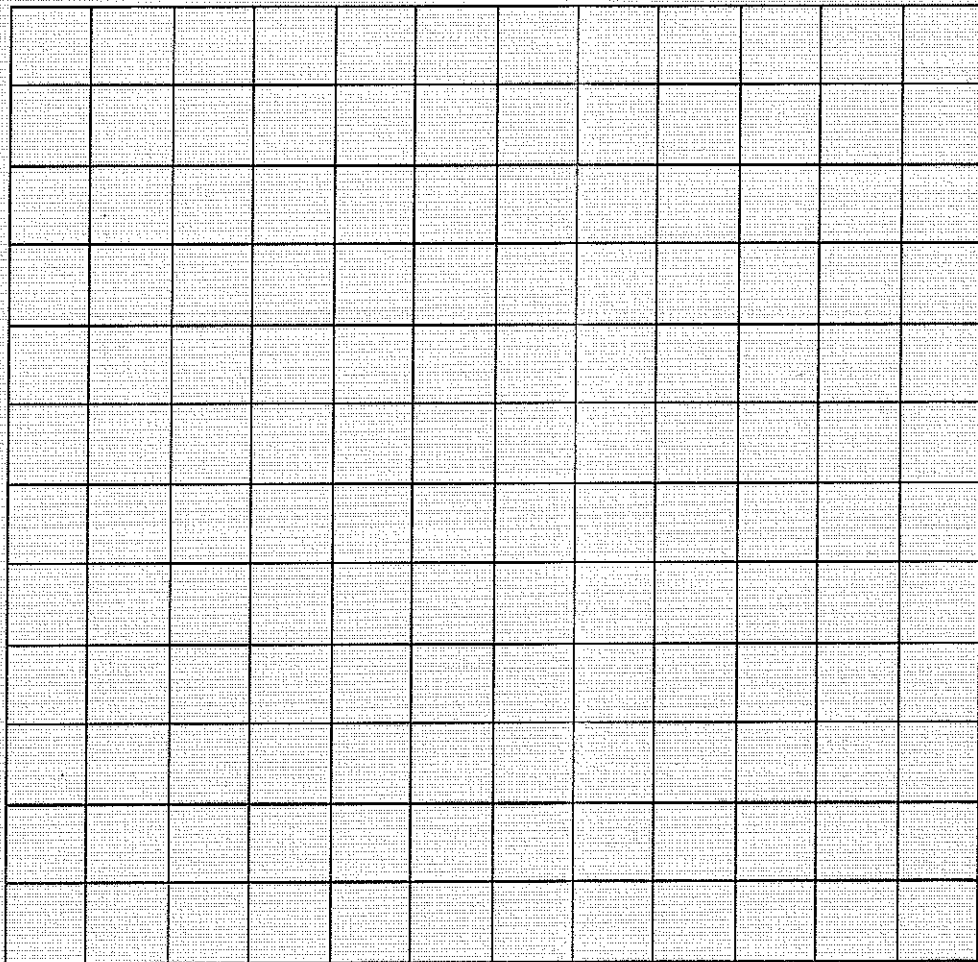
6 – GSS – BENCHMARK TEST #1 (1 QUESTION). LEVEL:

FIRST NAME, LAST NAME:

CLASS:

7 Construct a pentagon on the grid below that meets the following conditions.

- exactly 1 line of symmetry
- 2 obtuse angles
- 2 right angles
- 1 acute angle
- at least 1 side with a length of 3 units



Draw the line of symmetry on your pentagon.

6 – GSS – BENCHMARK TEST #2 (2 QUESTIONS). LEVEL: _____

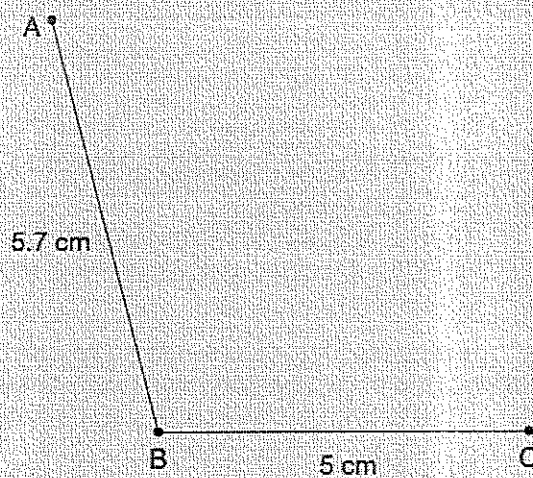
FIRST NAME, LAST NAME: _____

CLASS: _____

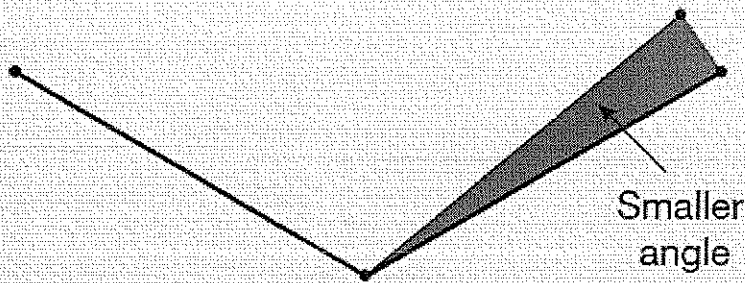
28 Use the line segments AB and BC below to construct pentagon ABCDE with the following properties:

- a right angle at point C
- an angle that measures 110° at point A
- a side of 4.7 cm

Label all angles and sides with their measures.



- 12** Karim is dividing the angle shown below into smaller equal angles. The first of the smaller angles is shaded.



How many smaller angles can Karim make in total?

Use the Problem-Solving Model to respond:

6 – GSS – BENCHMARK TEST #3 (2 QUESTIONS). LEVEL: _____

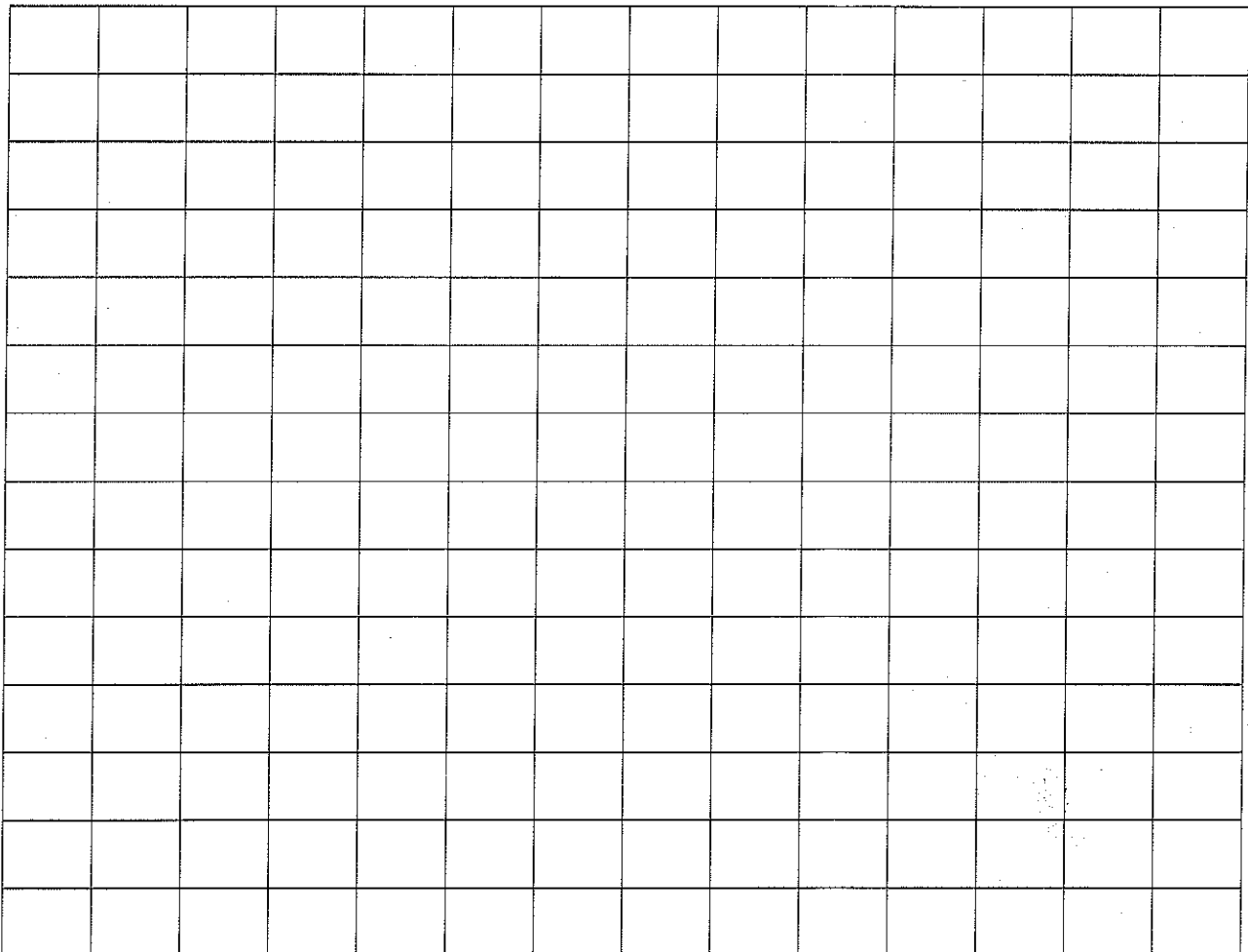
FIRST NAME, LAST NAME:

CLASS:

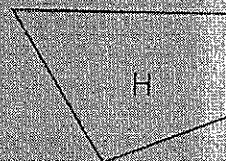
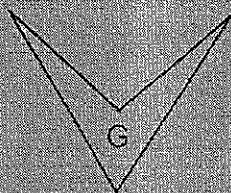
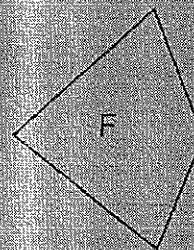
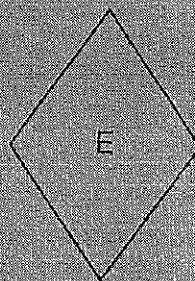
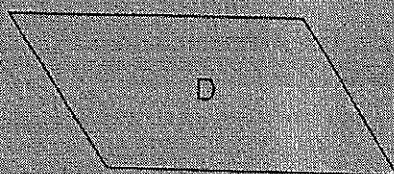
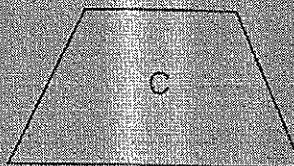
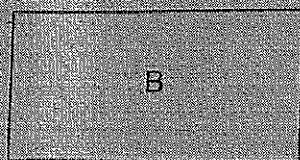
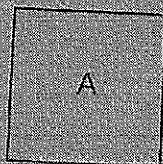
17 A polygon has 4 sides. Two of the sides are parallel and two are not. What shape is the polygon?

- a square
- b rhombus
- c trapezoid
- d parallelogram

Draw the shape on grid paper. Use a ruler.



4. Use these figures:

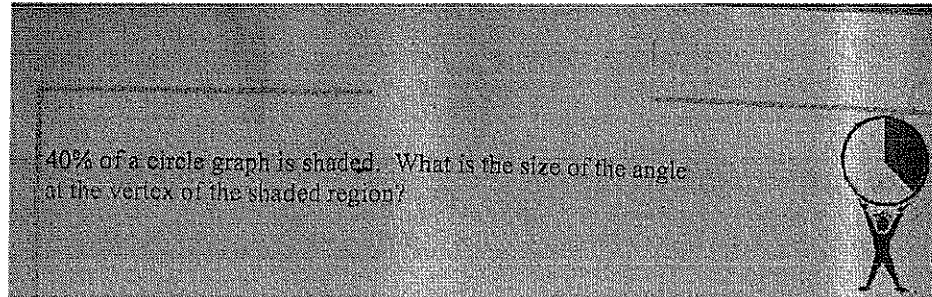


- a) Choose 2 attributes. Sort the figures.
Record your sorting in a Venn diagram.

6 – GSS – POST TEST (5 QUESTIONS). LEVEL: _____

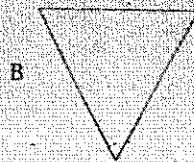
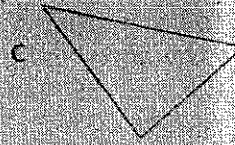
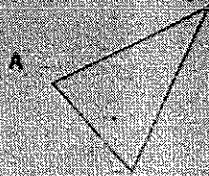
FIRST NAME, LAST NAME: _____

CLASS: _____



Use the Problem-Solving Model to show your solution:

5. Use a ruler, a protractor, and the following triangles to answer both parts of this question on the next page.



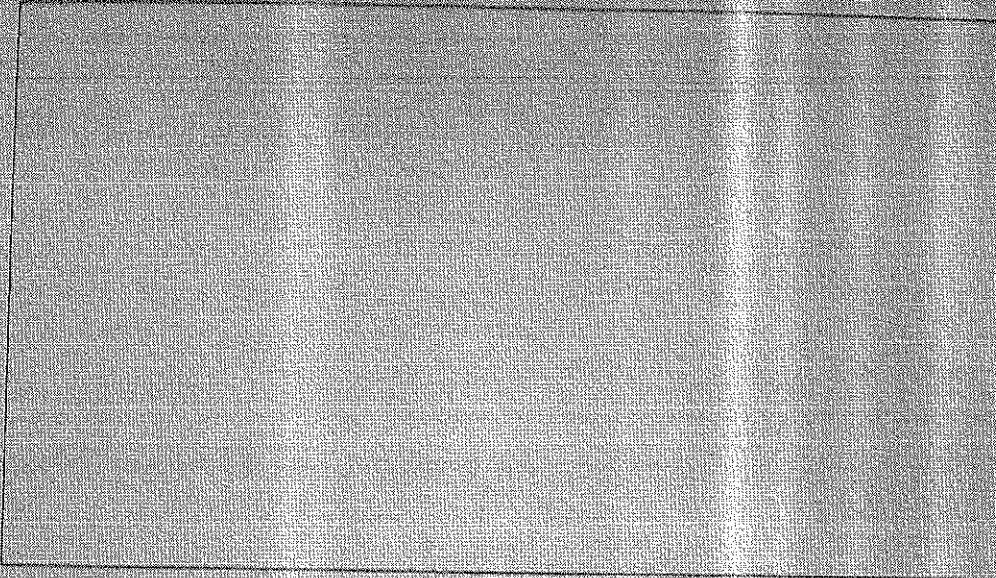
5. a) Write one word in each column beside each triangle that best describes the triangle.

Triangle	Type of triangle (equilateral, isosceles, scalene)	Type of triangle (right, acute, obtuse)
A		
B		
C		
D		
E		

Name: _____

Date: _____

6. a) Construct a **right triangle** with one side length measuring 8 cm. Use a ruler and a protractor. Add labels.



- b) Construct a **triangle** with one angle measuring 40° and one side measuring 12 cm. Use a ruler and a protractor. Add labels.

