ARABIAN PEARL GULF SCHOOL
TERM 2- IB MYP 4- MATHEMATICS (Grade 9)
S.Y. 2025-2026
UNIT – MORE GEOMETRIC TRANSFORMATIONS

Name: _____   Grade Level: _____

Date: _____   Achievement Level: _____

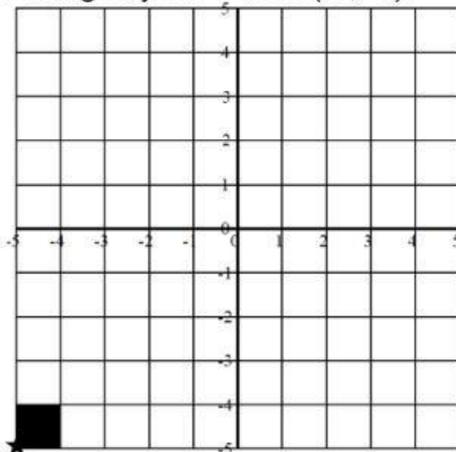**WORKSHEET: Criterion C PRACTICE (Enlargement and Reduction).**
Instructions for students

1. Group 1 solves part 1
2. Group 2 solves part 2
3. Group 3 solves part 3
4. Group 4 solves part 4
5. Each group will have 4 minutes to present their work, Select the presenter, time keeper, Writer and Group leader. (**Indicating the roles of each member 2 points and presentation of your answers is 4 points**)
6. Presentation of calculations and answers. (Be creative in your presentation, you can use slides, word document or pictures) Good presentation and clean work (**2 points**)
7. Submit your group task with all your names to me on manage Bac (**submission is 2 points**)
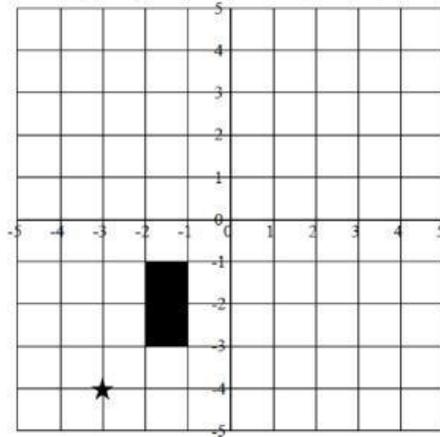
EXAMPLE

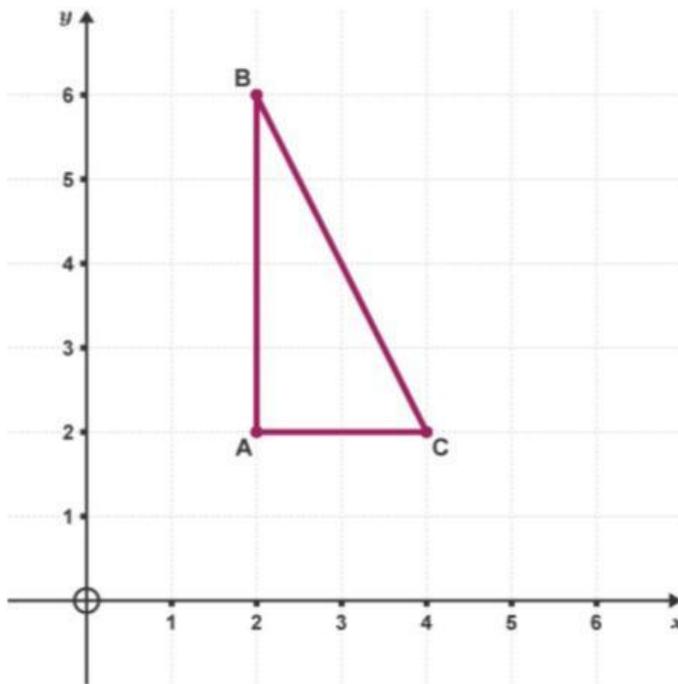1. Draw the image in the grid provided

Enlarge by s.f. 5 from (-5, -5)

PART 1 (GROUP 1 TASK)

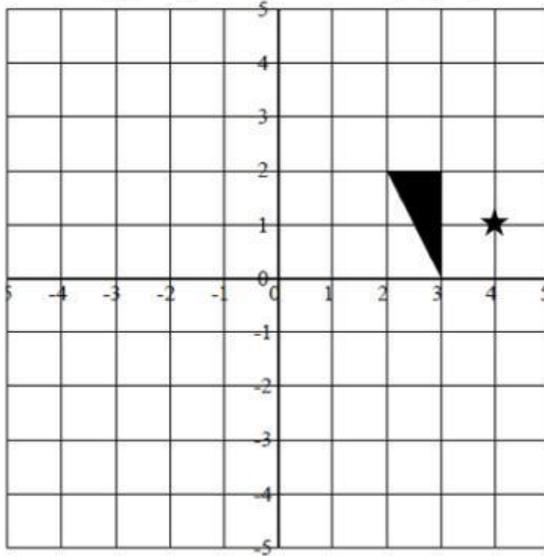a) Draw the image in the grid provided

Enlarge by s.f. 2 from (-3, -4)

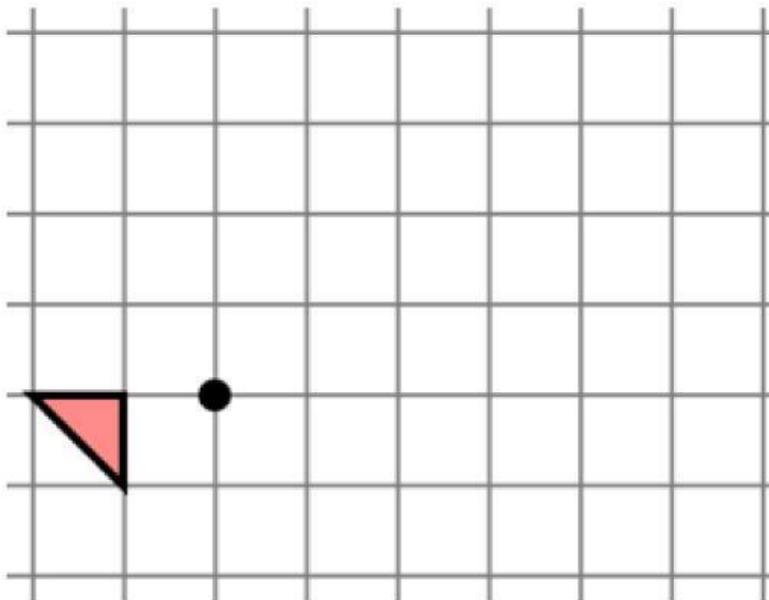b) Enlarge the triangle ABC by a scale factor of 0.5 about the center of enlargement O.

PART 2 (GROUP 2 TASK)

a) Draw the image in the grid provided
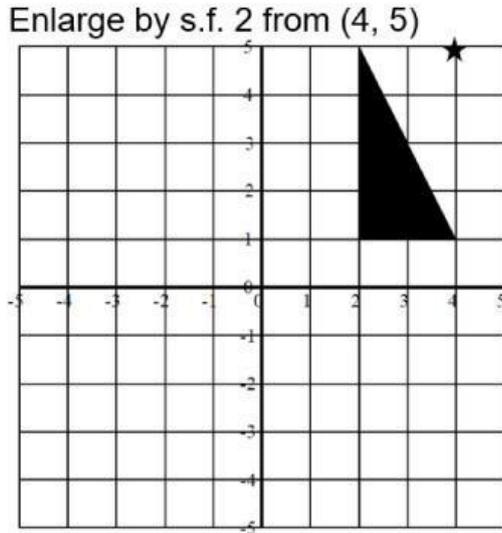
Enlarge by s.f. 3 from (4, 1)

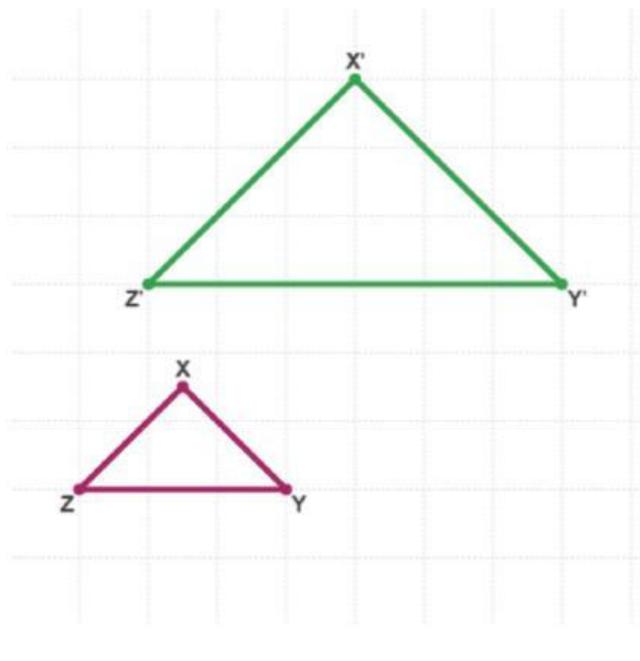b) Enlarge by scale factor −3 about the point shown.

PART 3 (GROUP 3 TASK)

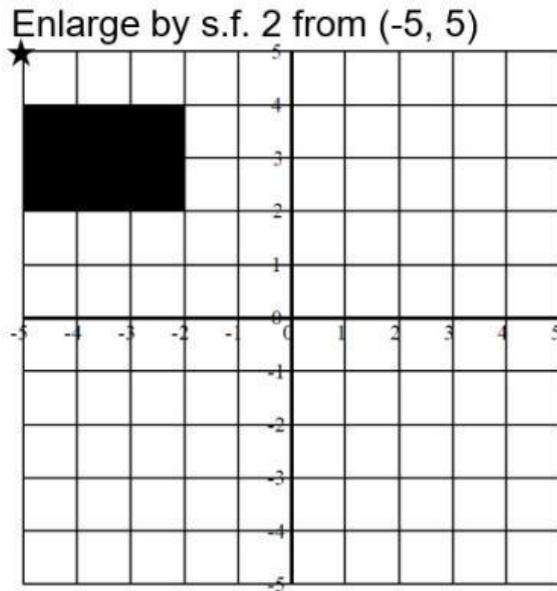a) Draw the image in the grid provided

Enlarge by s.f. 2 from (4, 5)

b) The figures below show two triangles; the green triangle is an enlargement of the maroon triangle. Complete the diagram to locate the position of the center of enlargement

PART 4 (GROUP 4 TASK)

a) Draw the image in the grid provided

Enlarge by s.f. 2 from (-5, 5)

b) Enlarge by scale factor −1 about the point shown.