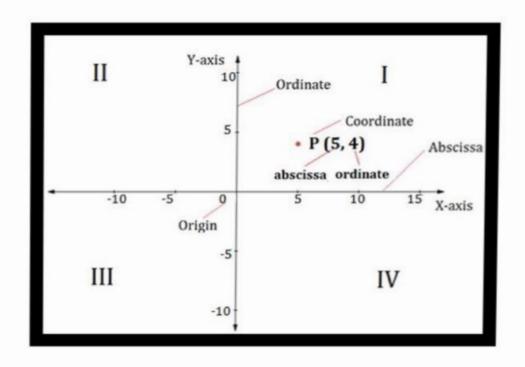
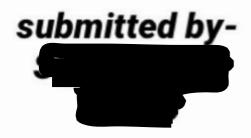
SAT PAUL MITTAL SCHOOL

SESSION- 2020-2021

MATHS PROJECT CO-ORDINATE GEOMETRY





submitted to: Ms. Amandeep Kaur Assignment

Page No.

Acknowledgment

of gratitude to my teacher Ms. Amandeep Kaux as well as our principal Ms. Bhupinder Gogia who gave me-the golden apportunity to do this wonderful project on the tapic. "Co-ordinali geometry", which also help me en doing a lot of research and 9 came to know about so many new things. I am really thankful to them:

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Remarks

Teacher's Sign.

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Introduction

Reflection: In geometry, a reflection is known as a flip. I reflection is the misson image of the shape. In image will reflect through a time known as the line of reflection. I figure is said to be the reflection of the other figure when every point in a figure is equidistant from each corresponding point in the other figure. The reflected image should have the same shape and size but the image faces the other direction. In reflection, translation may also take place because of its chages in position Here, the original image is called pre-image and its reflection is called pre-image. The representation of pre image and image are ABC and A'B'C' respectively. The reflection transformation may be in reprence to the coordinate system (x and y axis)

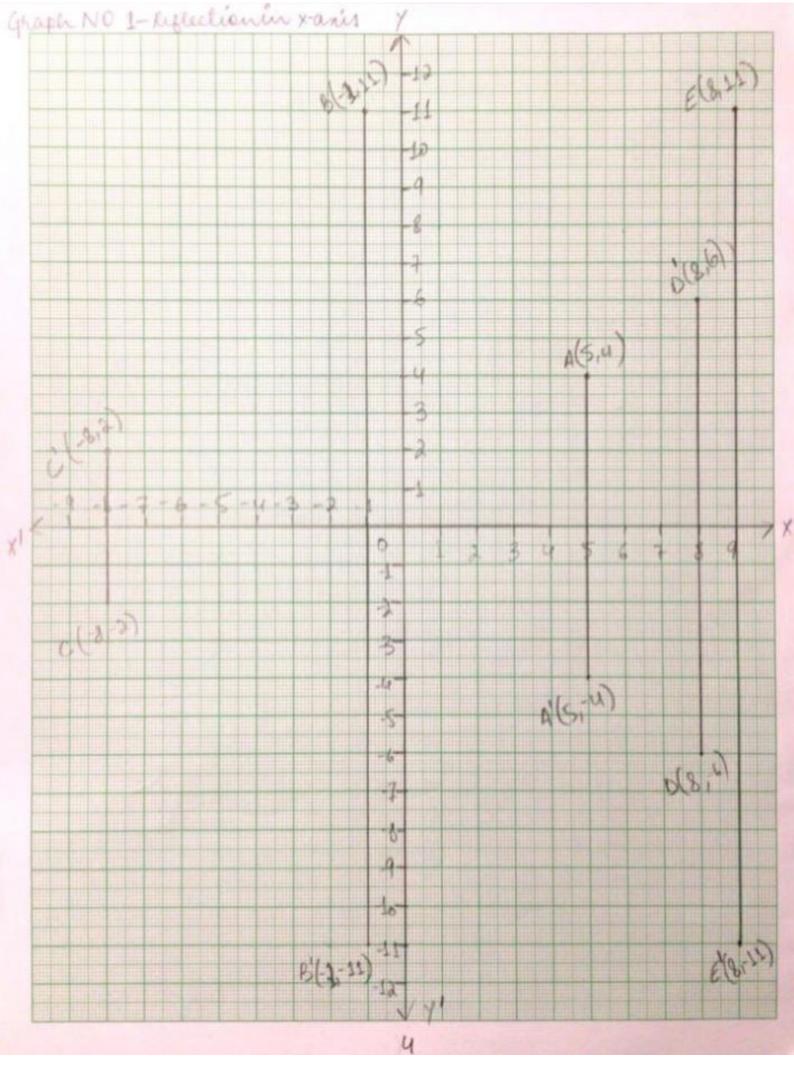
Coordinate Geometry:

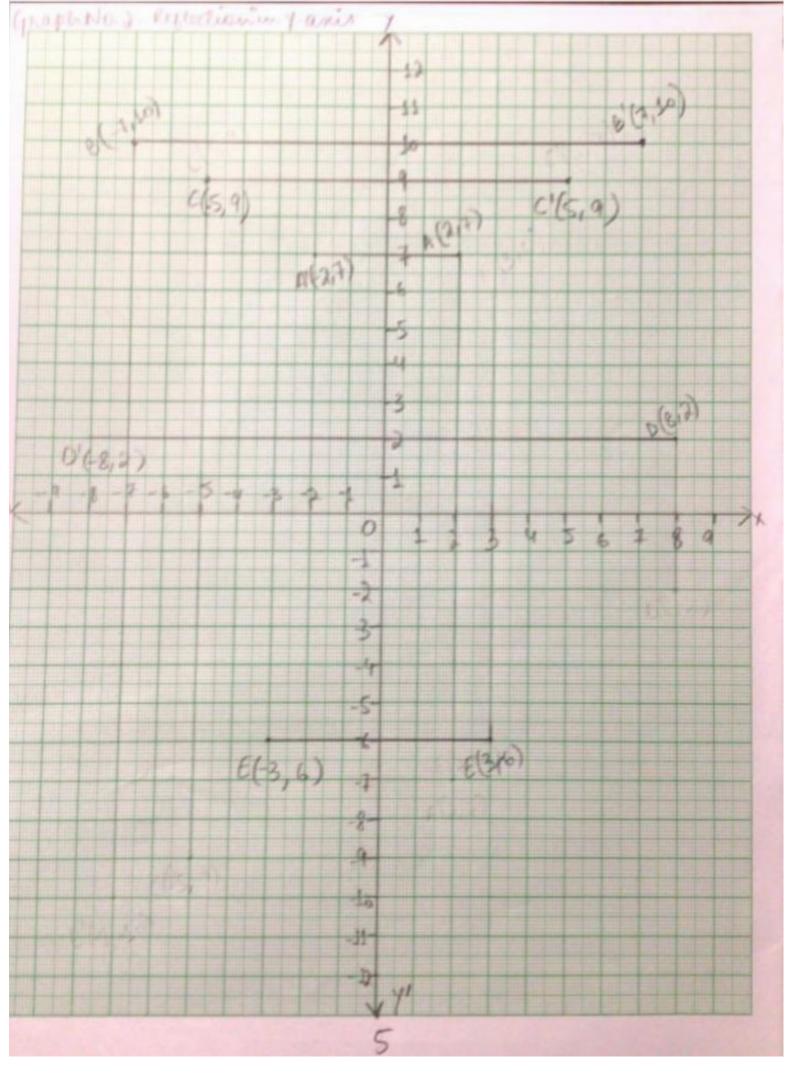
Co-ordinate geometry is that branch of Mathermatics which deals the study of geometry by means of algebra. In coordinate geometry, we represent a point in a plane by an ordered pair of real numbers, called co-ordinates of the points, and a straight line or curved time by an algebraic expression with real coefficient. Thus, we use algebra advantageously to the study of straight lines and geometric curves.

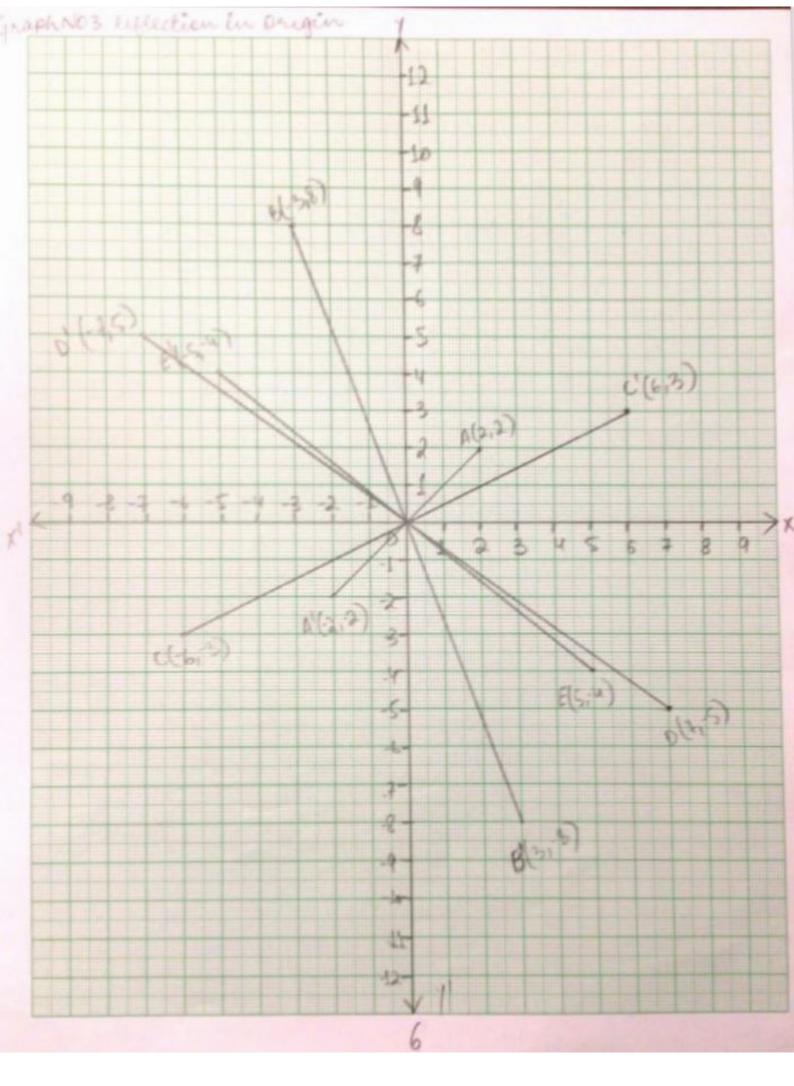
when an object is placed before a plane mission, the image is atthe same distance behind the mission, as the object is in front of it. The line YY' is the perpendicular bisector of the line XX' and is called the mission line or mediator.

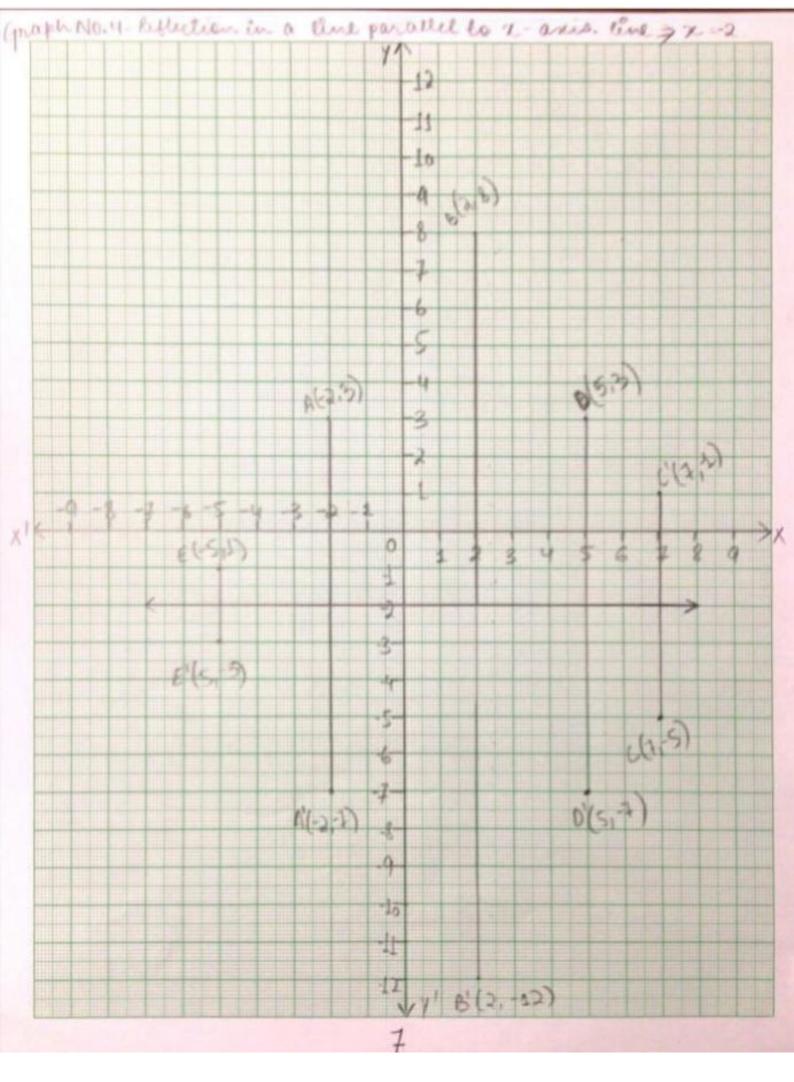
Real life Examples of Reflection

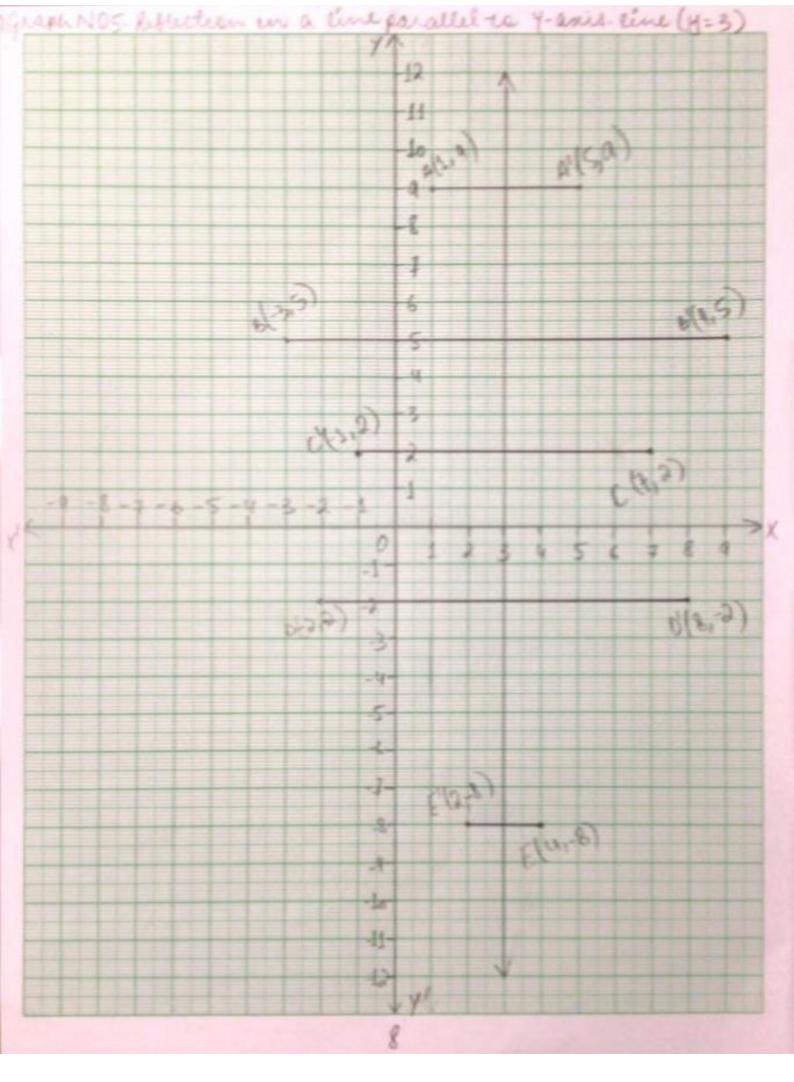
The Symmetry of a face, a butterfly, an anoplane, etc. Mass production of shoes, spectable frames, flipping images on computer, minor image of sugar molecules like glucose and fructose.

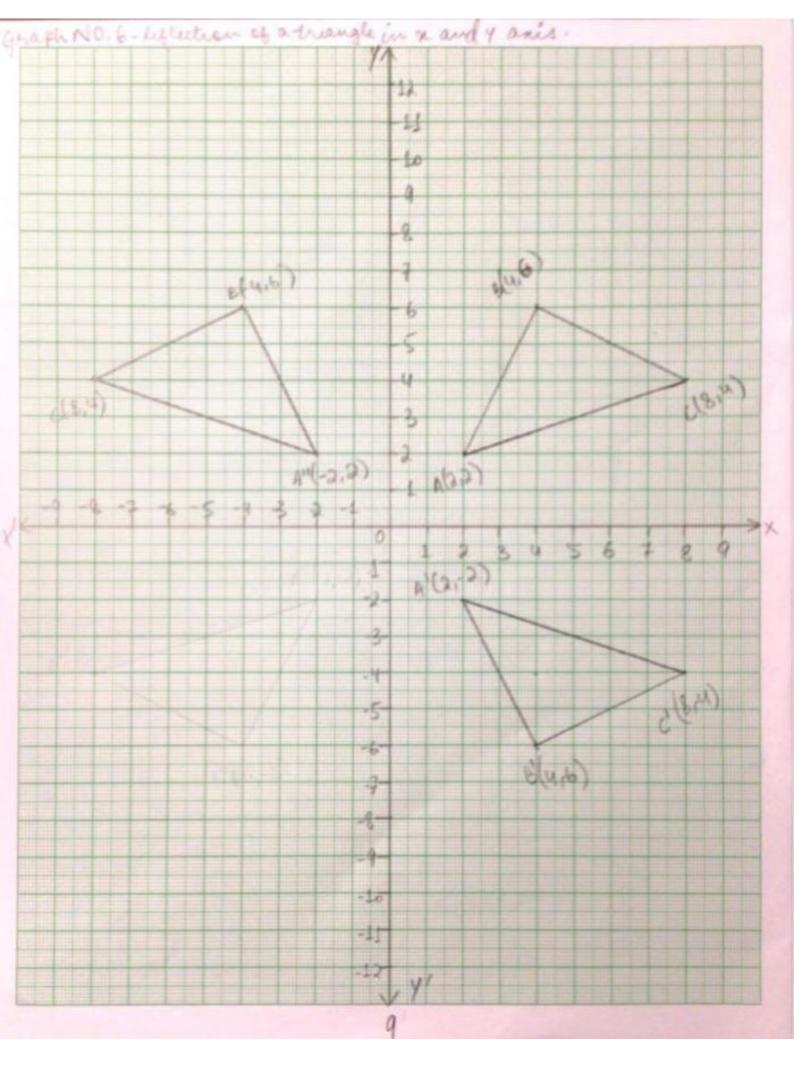


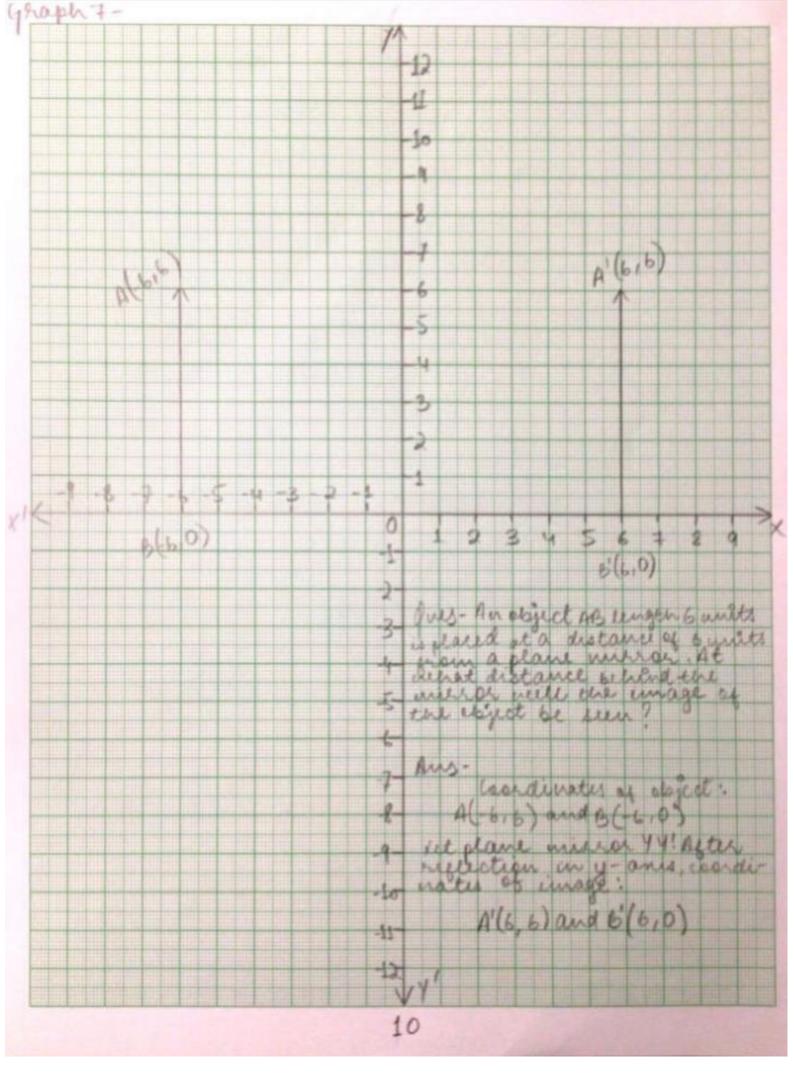












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shelly mahajan