

AP 12 – Solving system graphically

European section, season 1

Draw a line

Draw the line whose equation you've been given on the tracing paper.

- Place the origin at the center of the page.
- Put the y -axis along the length of the sheet and the x -axis along the the width.
- Use unit 1cm on both axes.

Your first task

- Find someone in the class such that the solution of the system made of your two equations is one of the couples of coordinates below.
- Check your answer algebraically.
- Write the system and the solution on your answer sheet.

$$\begin{array}{ccc} (-5, 2) & (-2, 3) & (2, 4) \\ (6, 3) & (6, -2) & (3, 1) \\ (-2, -2) & (-6, -1) & \\ (0, -5) & (2, -4) & \end{array}$$

Your second task

- Choose a partner in the class.
- Use your tracing paper sheets to find an approximate solution to the system made of your two equations.
- Solve the system algebraically to check your answer.
- Change partners.
- Your mark will depend on the number of system you solved.