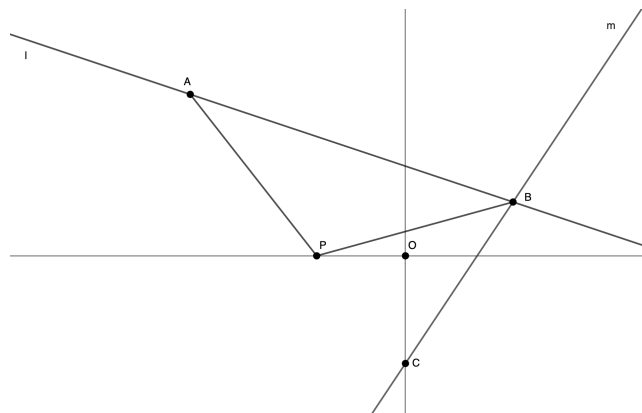As shown in the figure below, line l crosses $A(-4,3)$ and $B(2,1)$. Line m has a positive slope and crosses B, the x-axis, and C. P is a point that lies on the x-axis and the origin is represented by O. Given this information, answer the questions below.[1]

(1): Find the coordinates of B after a 180° rotation about the origin.

(2): Find the slope of l.

(3): Find the equation of m when triangle AOB is congruent to triangle COB.

(4): Find the coordinates of P when $AB + BP$ is the shortest.