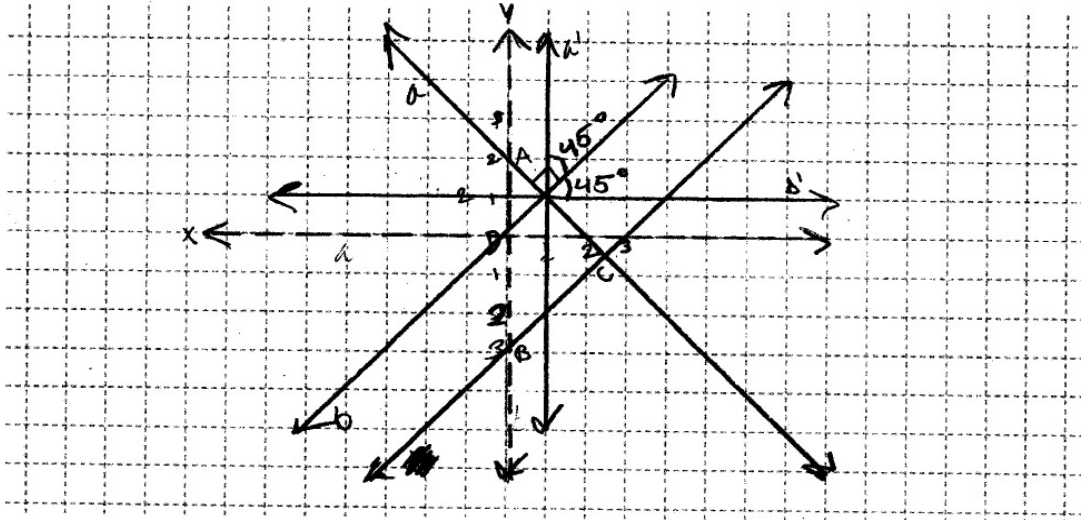


Line a is perpendicular to line b . Prove that the slope of line a is the opposite of the reciprocal of the slope of line b (or that the product of their slopes is -1).

You may use the graphing grid to prepare any diagrams to accompany your proof.



Line a is \perp to Line b

slope of \bar{a} is $y = -x + 2$ slope $\bar{a}' =$ slope of y
 $y = -x + 2$ slope $\bar{b}' =$ slope of x

slope of \bar{b} is $y = x - 3$

slope of $\bar{a} = -y$
 $\bar{b} = y$