



6. Line A passes through the points (4,3) and (8,6). Find the equation of the line perpendicular to line A that passes through (6,12)

7. Line A passes through the points (1,1) and (4,7)
Line B passes through the points (7,4) and (11,6)
Determine whether Line A and line B are perpendicular.

8. Line A passes through the points (-5,-1) and (-1,11)
Line B passes through the points (-4,1) and (k, 5)
Line A and B are perpendicular.
Find the value of k.