





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

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

8. Line A passes through the points (1,2) and (4,6)  
Line B passes through the points (4,7) and (k, 14)  
Line A and B are parallel.  
Find the value of k.