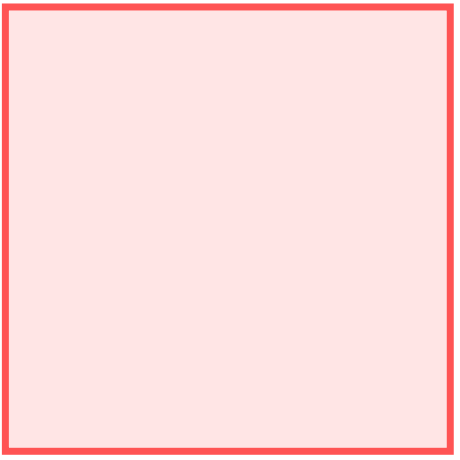
5. 

$(k+2)(n-4)$

$k\,n+4\,k+2\,n+8$

$k\,n-2\,k+4\,n-8$

$k\,n-4\,k+2\,n-8$

$k\,n-2\,k+2\,n+8$

Solution

$(k+2)(n-4)$

$= k\,n-4\,k+2\,n-8$