

Download Transposing Linear Equations

"If a number divides one side of an equation, we may multiply it on the other side.". In every case, a was shifted to the other side by means of the inverse operation. It will be possible to solve any linear equation by applying one or more of those rules.. Transposing. When the operations are addition or subtraction (Forms 1 and 2), we call that transposing.4.2 - Linear Equations A linear equation is an equation in which the terms containing the unknown are all of first degree. Assuming that the unknown is x , this means that the equation does not contain powers of x such as x^2 or x^3 or functions of x such as $\sin(x)$. A linear equation has the form: $ax + b = cx + d$, where a , b , c and d are constants; or it can be put into this form by distributing. In linear algebra, the transpose of a matrix is an operator which flips a matrix over its diagonal, that is it switches the row and column indices of the matrix by producing another matrix denoted as A^T (also written A' , A^tr , tA or A^t). It is achieved by any one of the following equivalent actions: reflect A over its main diagonal (which runs from top-left to bottom-right) to obtain A^T , Worked-out word problems on linear equations with solutions explained step-by-step in different types of examples. There are several problems which involve relations among known and unknown numbers and can be put in the form of equations. - Transposing Linear Equations