

L1, L2

3.10

$$\begin{cases} 2x - y = 7 \\ 3x + 2y = 7 \end{cases}$$

med miniräkare TI-84



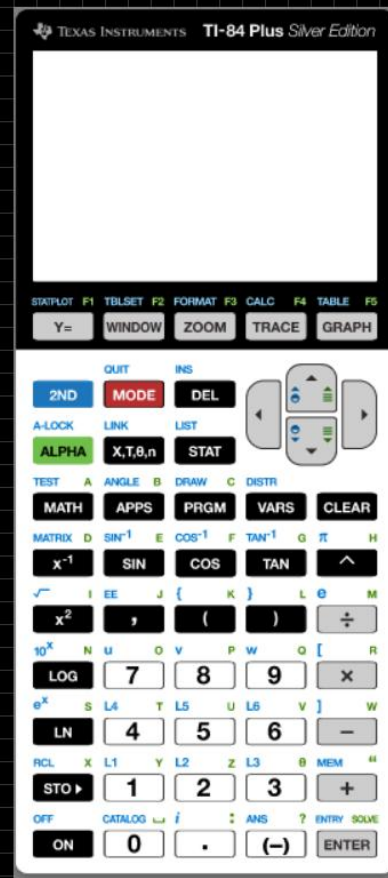
EDIT

"rref" (MATRIX \rightarrow MATH)

$$\begin{pmatrix} 1 & 0 & 3 \\ 0 & 1 & -1 \end{pmatrix}$$

← Svar

$$\begin{aligned} x &= 3 \\ y &= -1 \end{aligned}$$



$$\begin{aligned}
 \textcircled{3.10} \quad & \begin{pmatrix} 2 & -1 & 7 \\ 3 & 2 & 7 \end{pmatrix} \sim \begin{pmatrix} -2 & +1 & -7 \\ 3 & 2 & 7 \end{pmatrix} \sim \begin{pmatrix} 1 & 3 & 0 \\ 3 & 2 & 7 \end{pmatrix} \\
 & \sim \begin{pmatrix} 1 & 3 & 0 \\ 0 & -7 & 7 \end{pmatrix} \sim \begin{pmatrix} 1 & 3 & 0 \\ 0 & 1 & -1 \end{pmatrix} \sim \begin{pmatrix} 1 & 0 & 3 \\ 0 & 1 & -1 \end{pmatrix}
 \end{aligned}$$

RADKANONISERA

- Multiplieras med ett tal
- Dividera med ett tal (e_i med 0)
- Addera (subtrahera) rader
- Flytta plats på rader

$$\begin{pmatrix} 1 & 0 & 3 \\ 0 & 1 & -1 \end{pmatrix}$$

3/3
Youtube-kanal

3 blue 1 brown

"The essence of linear algebra"

50 k R²

Kolla arsmitt ①

Essence of linear algebra
1/15

▶		Vectors, what even are they? Essence of linear algebra, chapter 1 3Blue1Brown
2		Linear combinations, span, and basis vectors Essence of linear algebra, chapter 2 3Blue1Brown
3		Linear transformations and matrices Essence of linear algebra, chapter 3 3Blue1Brown
4		Matrix multiplication as composition Essence of linear algebra, chapter 4 3Blue1Brown
5		Three-dimensional linear transformations Essence of linear algebra, chapter 5 3Blue1Brown
6		The determinant Essence of linear algebra, chapter 6 3Blue1Brown