

<p>70. 9. 1964</p> <p>in. 1000 ft. above sea level Slope of 10°-15°</p> <p>1. 100% <i>Calochortus Nuttallii</i> 2. 100% <i>Calochortus Nuttallii</i> 3. 100% <i>Calochortus Nuttallii</i></p> <p>(Average, 100% <i>Calochortus Nuttallii</i> in open ground species)</p>	<p>by L. C. Lewis as follows:</p> <p>1. 100% <i>Calochortus Nuttallii</i> 2. 100% <i>Calochortus Nuttallii</i> 3. 100% <i>Calochortus Nuttallii</i></p> <p>by D. C. Lewis as follows:</p> <p>1. 100% <i>Calochortus Nuttallii</i> 2. 100% <i>Calochortus Nuttallii</i> 3. 100% <i>Calochortus Nuttallii</i></p>
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Lec 25. Transformation

Linear transformation

Given V and W , $T: V \rightarrow W$ is a linear transformation if

1. $T(v_1 + v_2) = T(v_1) + T(v_2)$

2. $T(cv) = cT(v)$ for all $c \in \mathbb{R}$

Ex. $T: \mathbb{R}^2 \rightarrow \mathbb{R}^2$ defined by $T(x, y) = (x+y, x-y)$

$T(1, 2) = (1+2, 1-2) = (3, -1)$

$T(3, 4) = (3+4, 3-4) = (7, -1)$

$T(0, 0) = (0+0, 0-0) = (0, 0)$

$T(-1, 1) = (-1+1, -1-1) = (0, -2)$

$T(2, 1) = (2+1, 2-1) = (3, 1)$

$T(0, 1) = (0+1, 0-1) = (1, -1)$

$T(1, 0) = (1+0, 1-0) = (1, 1)$

$T(1, 1) = (1+1, 1-1) = (2, 0)$

Diagram:

Let $V = \mathbb{R}^2$ and $W = \mathbb{R}^2$.
Let $T: V \rightarrow W$ be a linear transformation.
Let $v_1, v_2 \in V$ and $c \in \mathbb{R}$.
Then $T(v_1 + v_2) = T(v_1) + T(v_2)$ and $T(cv) = cT(v)$.

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$\{C_i\}_{i=1}^n = \{C_1, C_2, \dots, C_n\}$	$\{C_i\}_{i=1}^n$ is called
C_1, C_2, \dots, C_n are called	elements of set
C_1, C_2, \dots, C_n are called	members of set
C_1, C_2, \dots, C_n are called	components of set
C_1, C_2, \dots, C_n are called	elements of set
C_1, C_2, \dots, C_n are called	members of set
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What is a Republic?

A Republic is a government in which the people are sovereign. In other words, the people rule.

What is a Democracy?

A Democracy is a government in which the people are sovereign. In other words, the people rule.