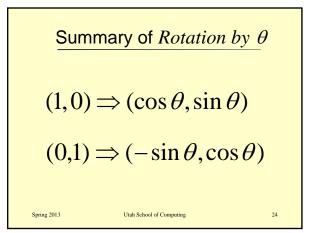
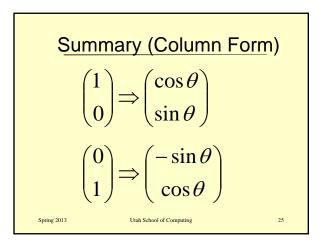
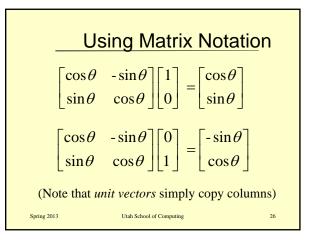
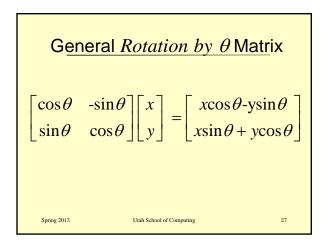


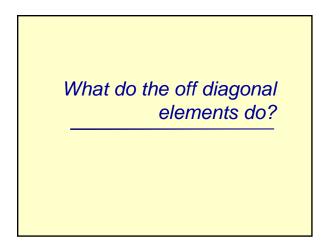
Rotate by 
$$\theta$$
:  $2^{nd}$  Quadrant  
 $(0,1) \Rightarrow (-\sin\theta,\cos\theta)$ 

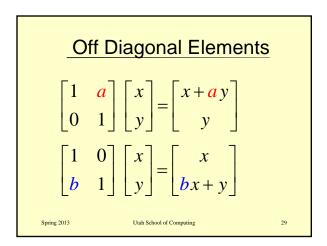


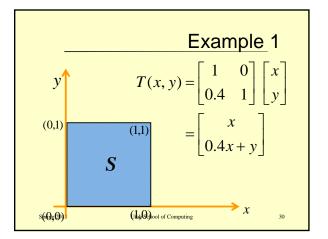


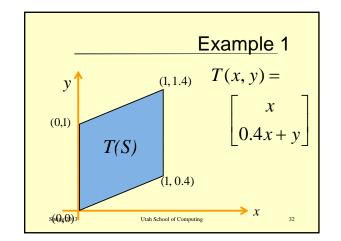


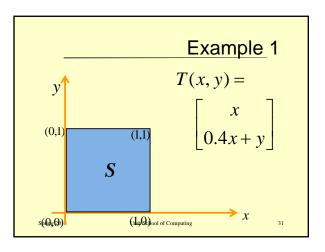


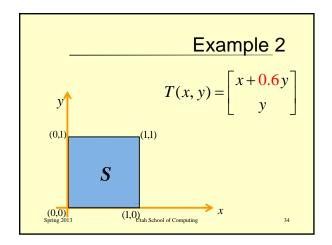


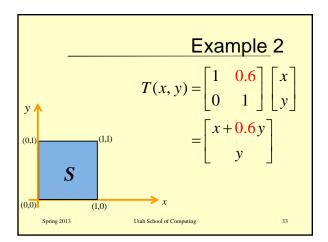


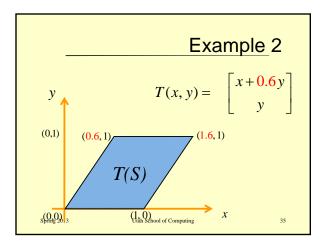


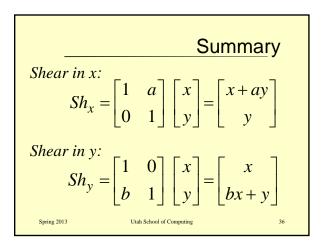


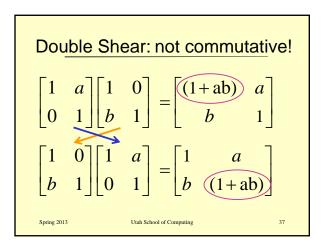


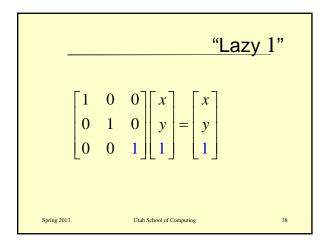


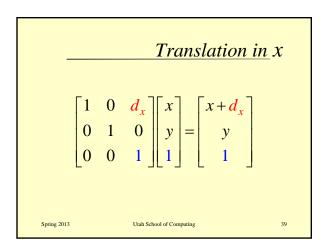


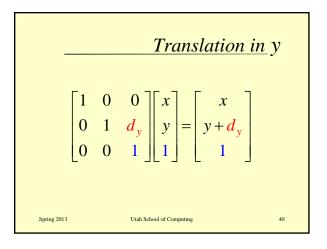


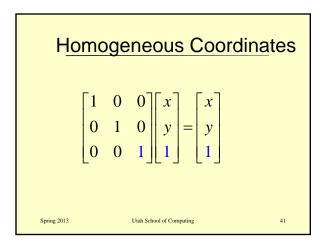


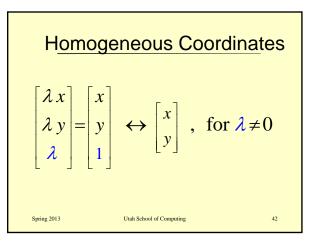


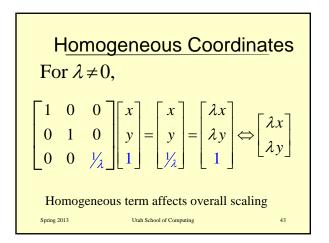


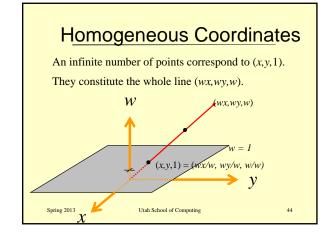


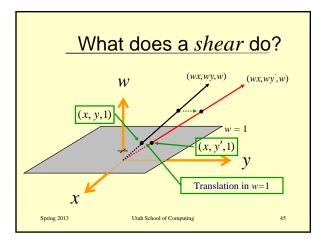


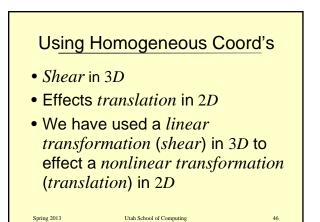


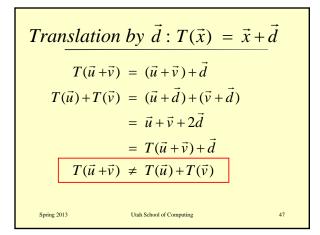




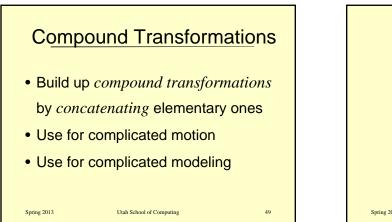


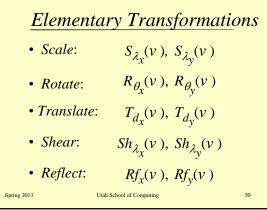


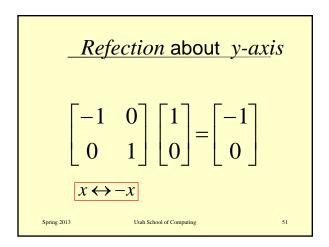


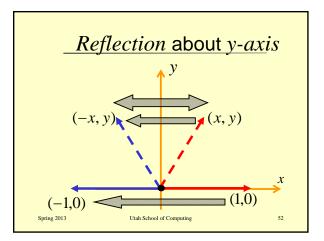


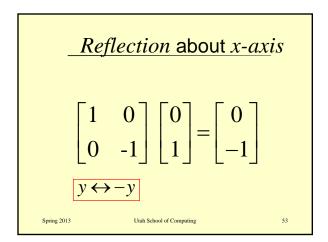


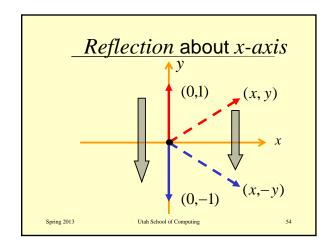


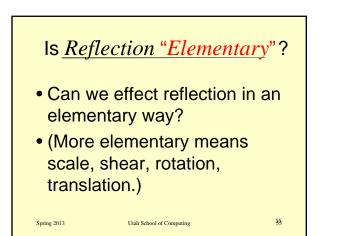


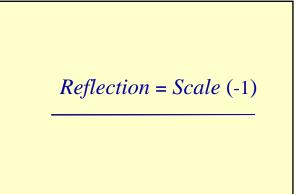


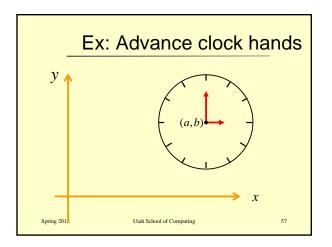


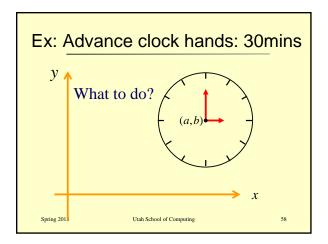


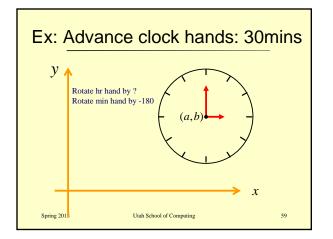


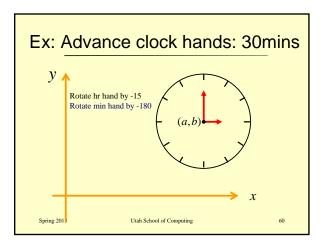


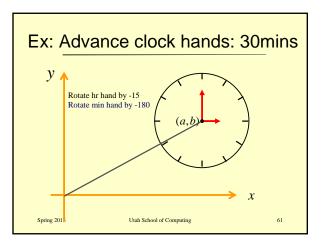


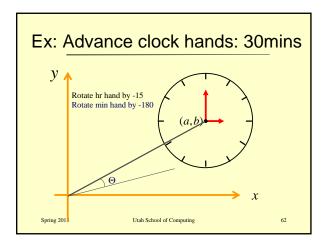


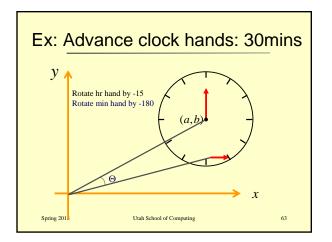


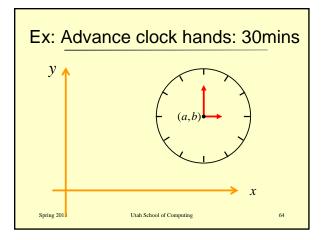


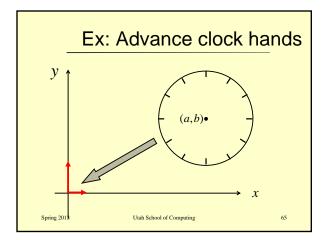


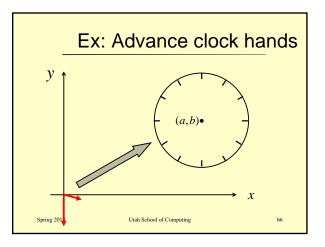


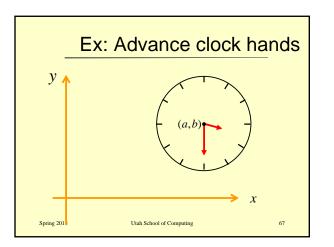


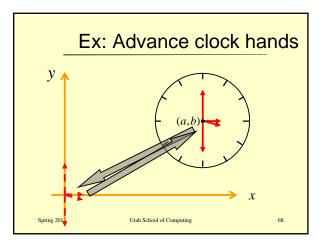


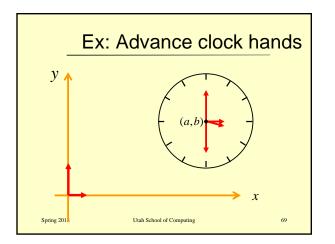


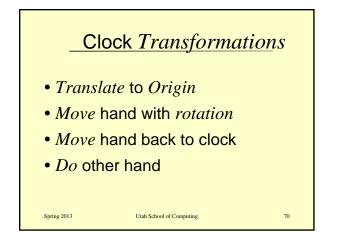


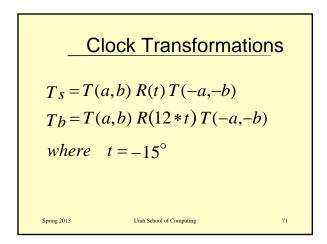


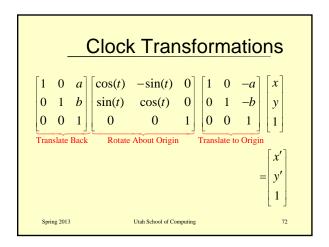


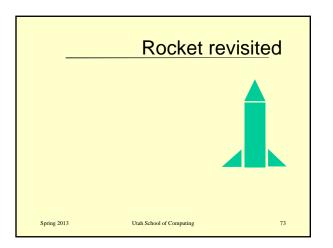


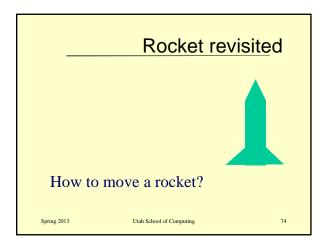


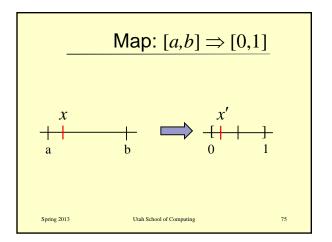


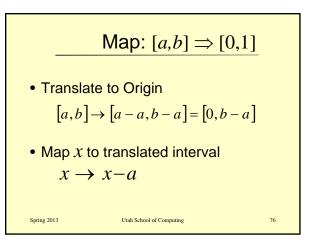


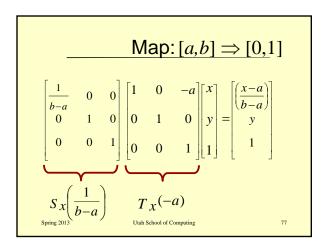


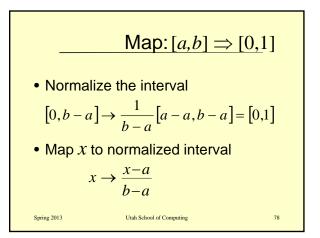


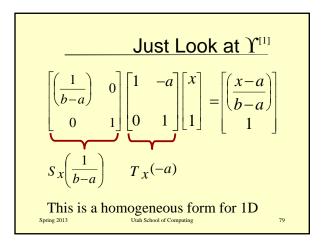


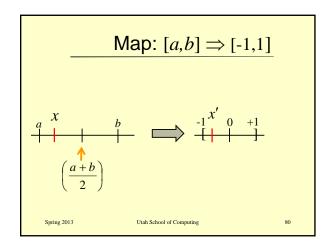


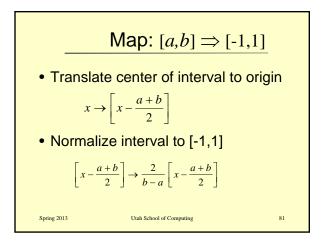


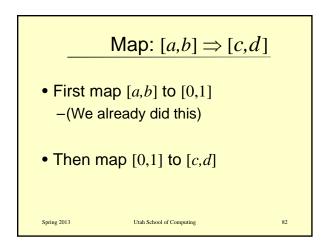


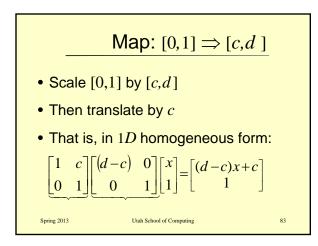


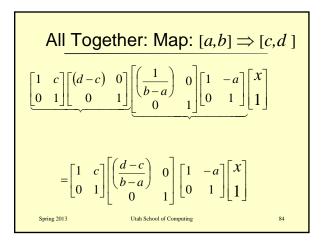


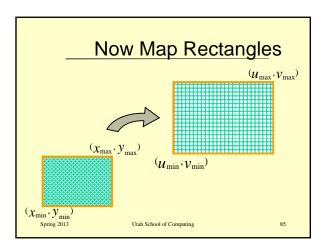


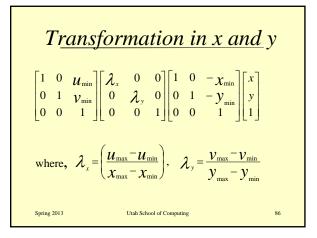


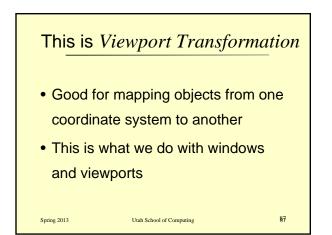


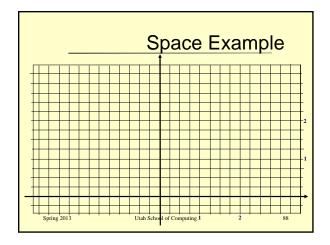


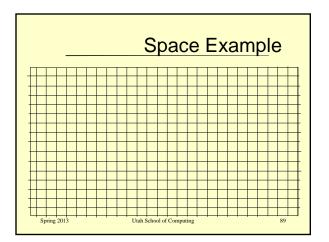


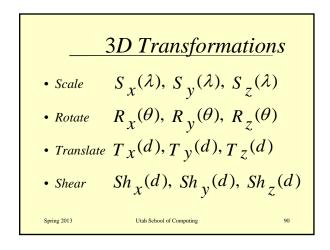


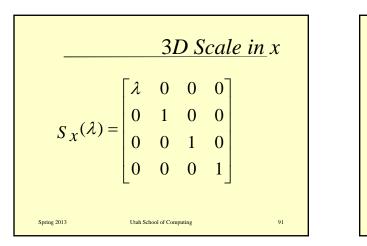


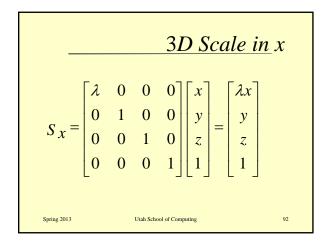


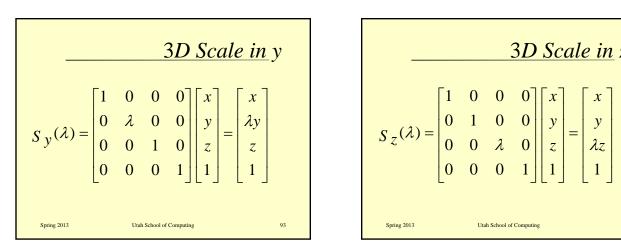


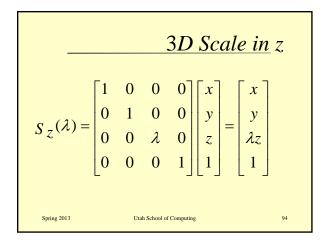


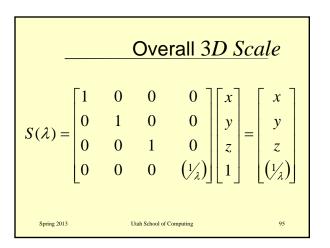


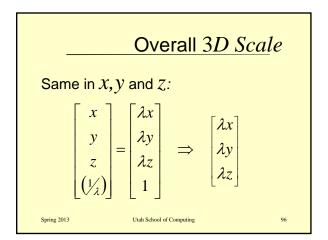


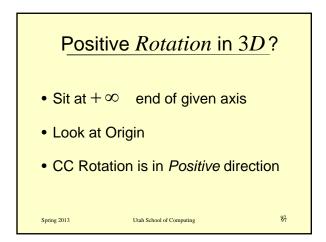


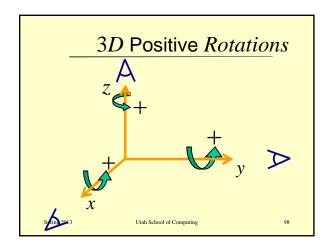


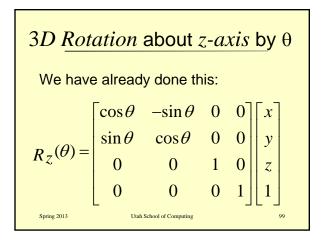


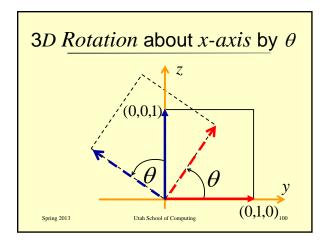


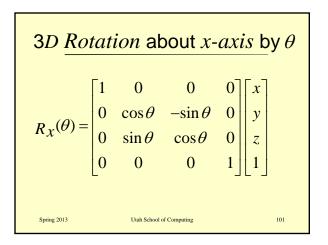


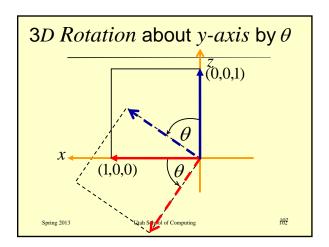












3D <i>Rotation</i> about <i>y-axis</i> by $\theta$					
$R_y(\theta) =$	$\begin{bmatrix} \cos\theta \\ 0 \\ -\sin\theta \\ 0 \end{bmatrix}$	0 1 0 0	$     \sin\theta \\     0 \\     \cos\theta \\     0   $	0 0 0 1	$\begin{bmatrix} x \\ y \\ z \\ 1 \end{bmatrix}$
Spring 2013	Utah School of Computing				103

