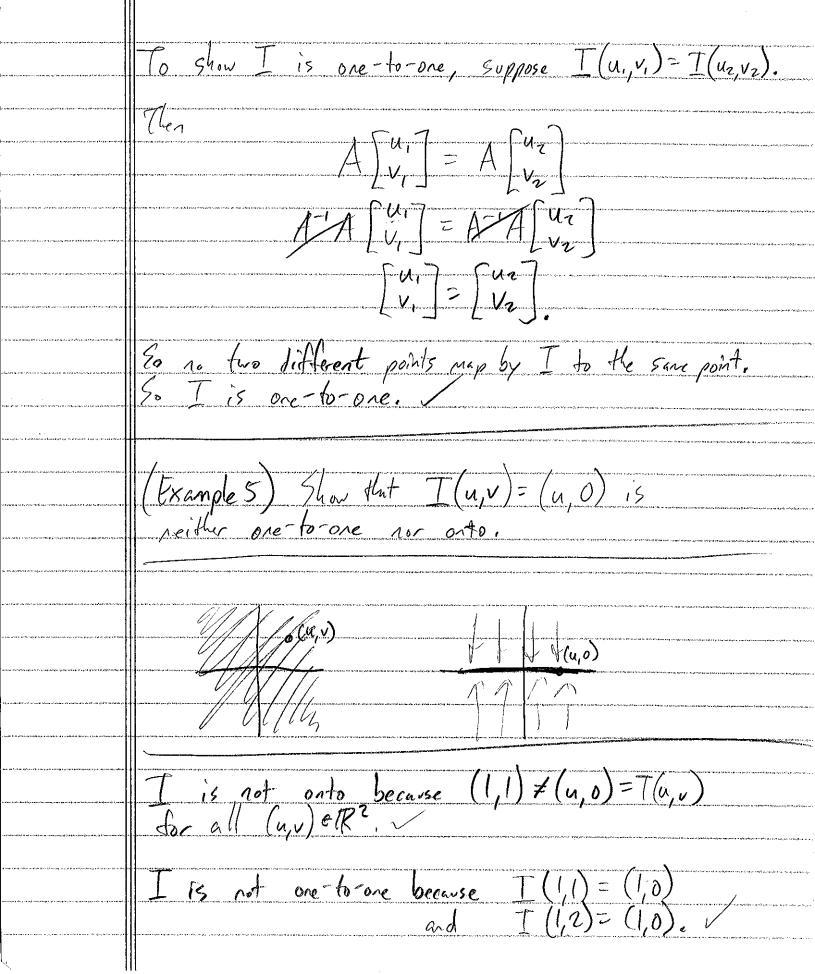
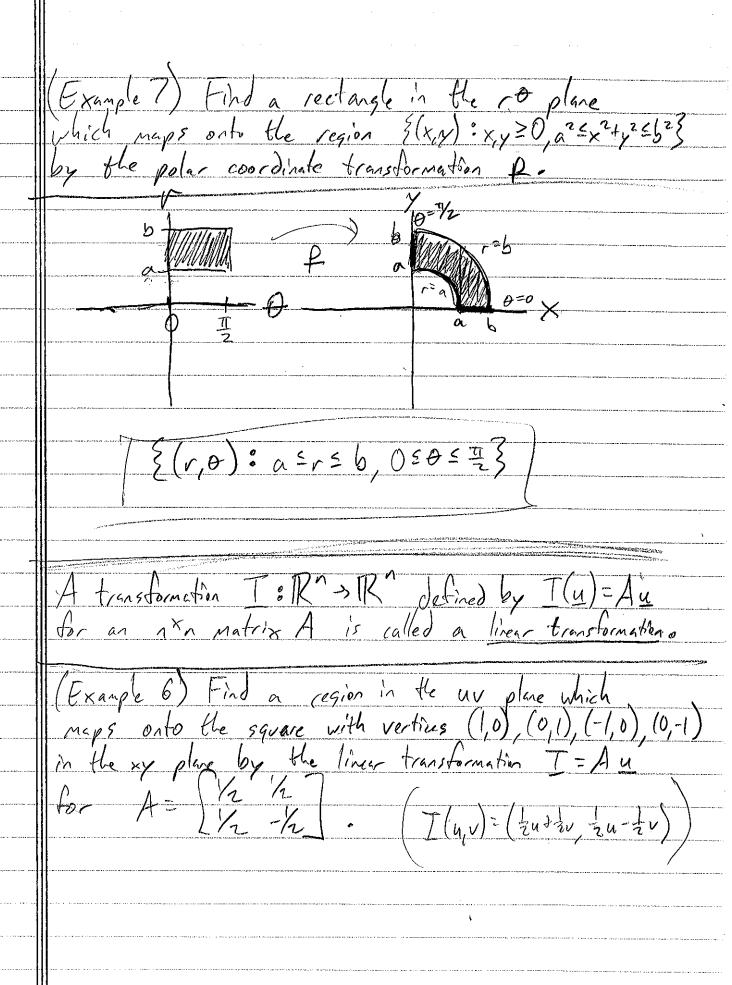


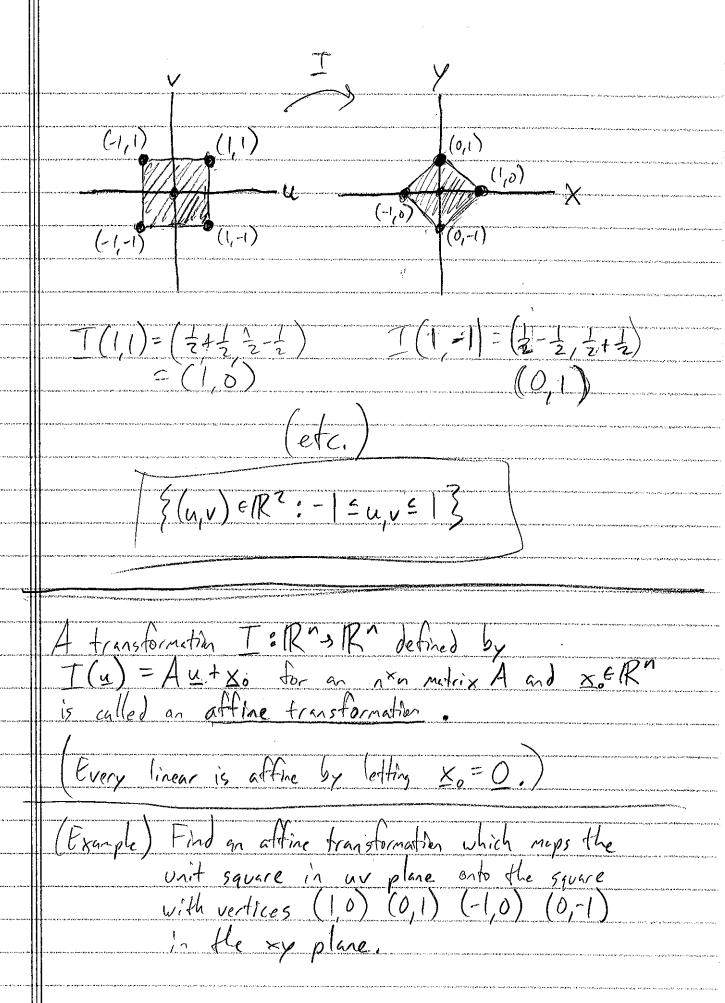
[Example Y) Show that
$$T(u,v) = \begin{bmatrix} \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{bmatrix}$$

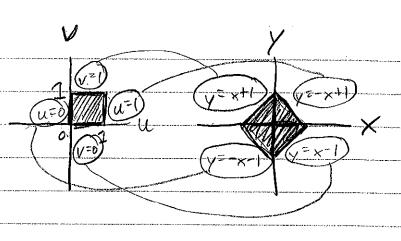
$$= (\frac{1}{2}u + \frac{1}{2}v)$$

ζ.









$$u=0 \Rightarrow y=-x(1)$$

 $u=1 \Rightarrow y=-x(+1)$

$$v=0=2 = x-1$$
 $v=1=2 = x+1$
 $v=0=2 = x+1$
 $v=0=2 = x+1$
 $v=0=2 = x+1$
 $v=0=2 = x+1$

Plug in x to a
$$y=-(u-v)-|+2u$$

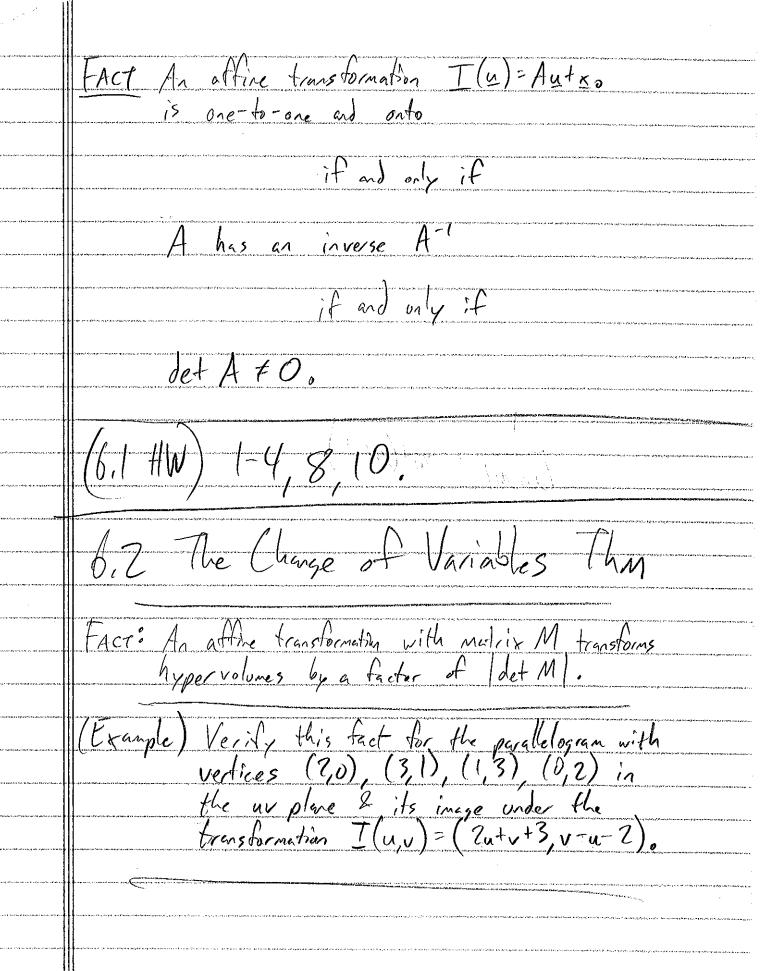
Find y $y=-u+v-|+2u$
 $|y=u+v-|$

$$\int \left[(u,v)^{2} \left(1-1 \right) \left[u \right] f o \right]$$

T(u,v) = (u-v,u+v-1)

solve for x,y

in terms of u, V



Note coefficials and detM = 2-(-1) = 3. Aren = 252(52) So by geometry: 12=3(4). SIdA = | det M | Area of = SS| det M | dA