

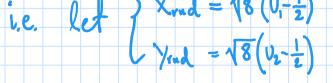
Bolution using rotation;

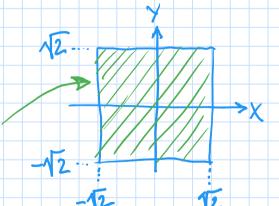
Answer:
$$\times \text{rnd} = \sqrt{2 \cdot (U_1 - U_2)}$$

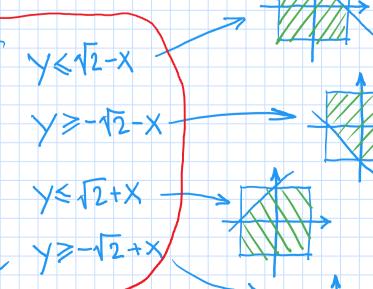
Solution using Accept-reject

Generate randon points at

be your condidat.







 $\begin{bmatrix} \cos \theta - \sin \theta \\ \sin \theta \end{bmatrix} = \begin{bmatrix} \overline{2}^{1/2} & -\overline{2}^{1/2} \\ \overline{2}^{1/2} & \overline{2}^{1/2} \end{bmatrix}$

