

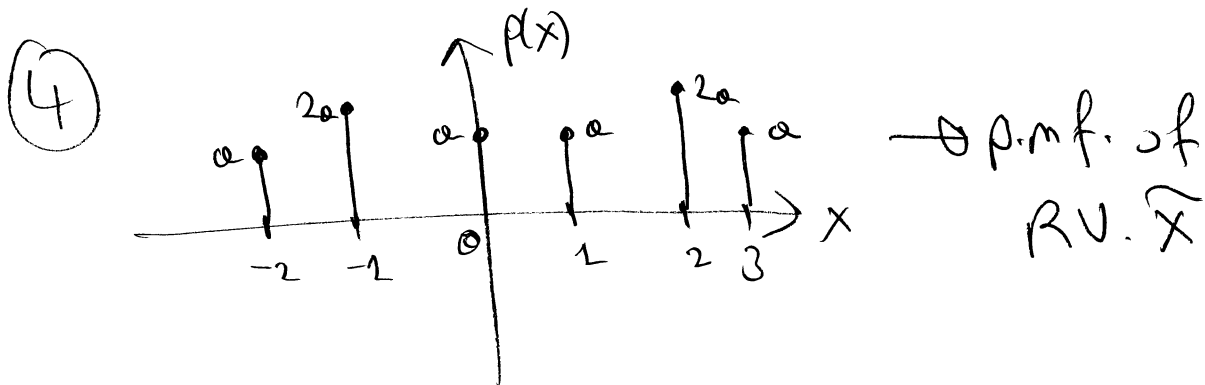
(1)
$$P(x) = \begin{cases} a & x = -1, 1 \\ 2a & x = 3 \\ 3a & x = 4 \end{cases} \rightarrow \text{p.m.f. for RV } \tilde{X}$$

Calculate $E(\tilde{X})$ $Var(\tilde{X})$

(2) For example 1 let $\tilde{y} = 2\tilde{X} + 3$

Find $E(\tilde{y})$ and $Var(\tilde{y})$

(3) For example 1 Draw $F(x)$
Cumulative distribution function of \tilde{X}



$\tilde{y} = \tilde{X}^2 - 2$ Find p.m.f. of \tilde{y}