

$$X \rightarrow 468$$

$$.45 \quad .40 \quad .15$$

Genuine PMF? Yes

$$P(X \geq 6) = (P(X=6) + P(X=8)) = .55$$

$$2 \text{ a) } P(Y \leq 50) = .83$$

$$b) .17$$

$$P(Z \leq X \leq 5)$$

Discrete VC

from $(PMF \Rightarrow CDF)$

$$(CDF) \rightarrow (PMF)$$

$$\left| \begin{array}{cc} a-1 & a \end{array} \right|$$

$$.39 - .19$$
$$= .20$$

$$b) P(X > 3) = 1 - P(X \leq 3)$$

$$c) P(X \geq 4) = P(X \leq 2)$$