$$\binom{\kappa}{\nu} = \frac{\kappa!}{(\nu)^{\kappa}}$$

Ch 4 Random Voriables:

$$(\Lambda, \mathcal{F}, P)$$

A Roman variable is a quantity that depends (nicely)
on the outcome of an experiment.

AKA its a "wice" function on 12.

$$V_{\omega}(X) = E\left\{\left(X - E(X)\right)^{2}\right\}$$