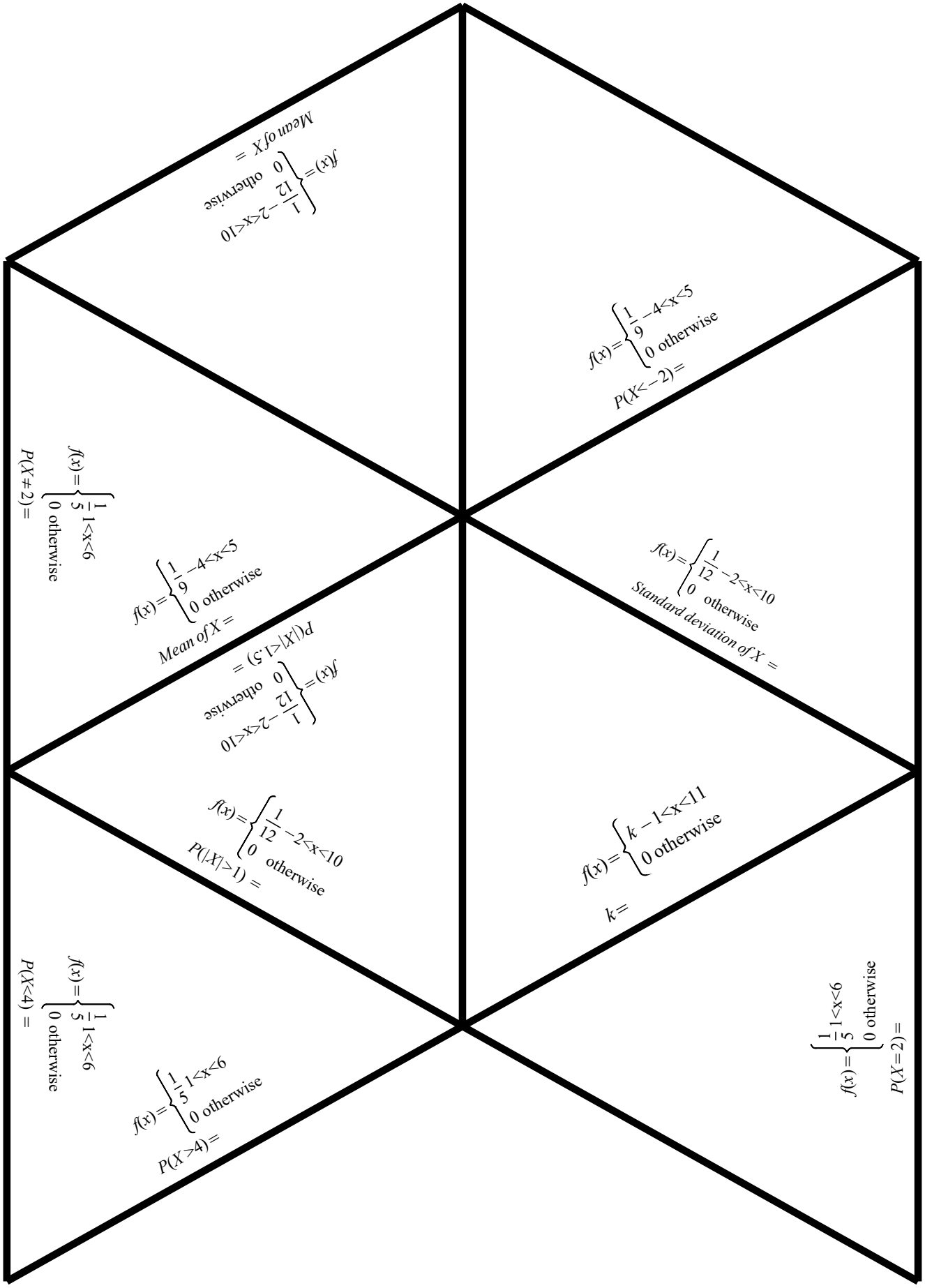

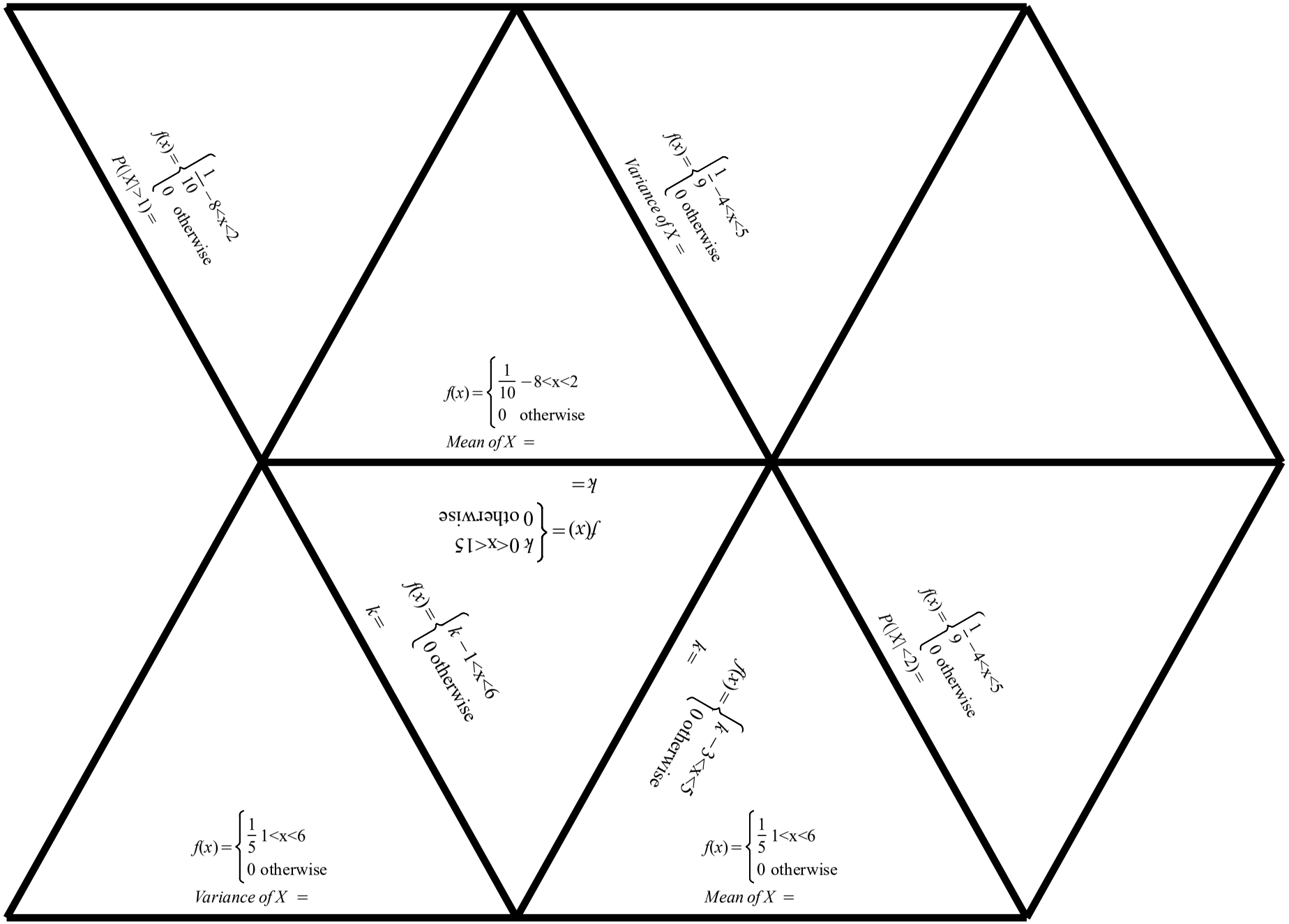

$$f(x)=\begin{cases}\frac{1}{12} & -2<x<10\\ 0 & \text{otherwise}\end{cases}$$

Variance of X =

$$f(x)=\begin{cases}\frac{1}{10} & -8<x<2\\ 0 & \text{otherwise}\end{cases}$$

$P(X<-5)=$

$$f(x)=\begin{cases}\frac{1}{10} & -8<x<2\\ 0 & \text{otherwise}\end{cases}$$

Standard deviation of X =

$k=$

$$f(x)=\begin{cases}k & 1<x<9\\ 0 & \text{otherwise}\end{cases}$$

$$f(x)=\begin{cases}k & 1<x<11\\ 0 & \text{otherwise}\end{cases}$$

$k=$

$$f(x)=\begin{cases}\frac{1}{9} & -4<x<5\\ 0 & \text{otherwise}\end{cases}$$

Standard deviation of X =

$$f(x)=\begin{cases}\frac{1}{9} & -4<x<5\\ 0 & \text{otherwise}\end{cases}$$

$P(X>0)=$

$$f(x)=\begin{cases}\frac{1}{12} & -2<x<10\\ 0 & \text{otherwise}\end{cases}$$

$P(-1<X<8)=$

$$f(x)=\begin{cases}\frac{1}{9} & -4<x<5\\ 0 & \text{otherwise}\end{cases}$$

$P(|X|>1)=$

$$f(x)=\begin{cases}\frac{1}{10} & -8<x<2\\ 0 & \text{otherwise}\end{cases}$$

$P(|X|<0.5)=$