1. You are given $F(x) = \dfrac{x^2}{100}$ for $0 < x < 10$.

    Calculate $e(5)$. This is $E[(X - 5 \,|\, X > 5)]$.

1. Losses represented by the random variable of X are uniformly distributed from 0 to the maximum loss. You are given that $Var[X] = 62,208$.

   Calculate $TVaR_{0.75}(X)$.