$$Var(x) = E(x^{2}) - (E(x))^{2}$$

$$Var(x) = \frac{3}{10} n^{2} f(n) = 1(\frac{1}{10}) + 4(\frac{5}{10}) + 9(\frac{4}{10}) = \frac{57}{10} = 5.7$$

$$Var(x) = 5.7 - (2.3)^{2} = 0.41$$

$$Var(x) = \frac{5.4 - (2.5)}{400}$$

 $Var(y) = E(y^2) - (E(y))^2$
 $E(y^2) = \frac{5}{y-2} y^2 f(y) = 4(\frac{1}{10}) + 9(\frac{4}{10}) + 16(\frac{3}{10}) + 25(\frac{3}{10}) = \frac{138}{10} = 13.8$

Cevap 2

a)
$$\frac{1}{3}$$
 condy $dn = 1$ of malidie.

 $y = n$
 $0 \le y \le n < 1$
 $0 \le y \le n < 1$