$$\begin{array}{lll}
3 & g(x) = 1200 \times -50 \times^{2} \\
Mg(x) = E(g(x)) = \sum_{x} g(x) f(x) \\
&= \sum_{x=0}^{3} (1200 \times -50) f(x) + (1200 \times 2 -50 \times 1) f(2) + (1200 \times 3 -50 \times 9) f(3) \\
&= (1855) \\
3 & the dealer S are varge profit per automobile is:

1 & 5000 = 1666.67$

$$\begin{array}{lll}
E(x) = \int_{279}^{3} 45 & (1 - x) dx = \frac{1}{3} \\
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$$\begin{array}{lll}
E(x) = \int_{279}^{$$$$

(9.) P(x = 800)=0.6

P(X=-1000) = 0.9

The expected for single investment:

Expected profit (single investment)=

(0.6 x 800) + (0.4 x (-1000))=160

Horizone-Nickhas 2 invests ment:

Expected profit (total) = 160x2=320

(b), (a) $F(x) = \frac{a+b}{2} = \frac{2}{2} = 1$

b) $C_{=}30+5x \Rightarrow E(c)=E(30+5x)$ = 30+ E(5x)=30+5E(x) = 30+5(1)=35

0 / 2 0,5 0.5 x drc = 1

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