$$E(16) = F(1) + 6$$
 $= 26$

$$\frac{Q1}{(1)3} = \frac{Mean}{5} = \frac{5D}{2}$$

$$\frac{27}{(1)3} = \frac{3^2 v(x)}{5} = \frac{3}{6}$$

$$\frac{1}{(1)3} = \frac{3^2 v(x)}{5} = \frac{3}{6}$$

$$\frac{1}{(1)3} = \frac{3^2 v(x)}{5} = \frac{3}{6}$$

$$\frac{1}{(1)3} = \frac{3}{6} = \frac{3}{6} = \frac{3}{6}$$

$$\frac{1}{(1)3} = \frac{3}{6} =$$

Mean
$$E(X+Y) = EX+EY$$

$$= 10 + 20$$

$$= 30$$

$$E(X-Y) = E \times - EY$$

$$= 10-20$$

$$= 115$$

$$\begin{array}{l}
SD (XLY) \\
V(X+Y) = V(X) + V(Y) \\
= 2^{2} + 5^{2} \\
= 29 (5) = \sqrt{29} \\
V(X-Y) = V (X+(J)Y) \\
= V(X) + (-1)^{2} V(Y) \\
= V(X) + V(Y) \\
= 29 (5) = \sqrt{29}$$

$$X_{1}+X_{2}$$

$$X_{2}+X_{2}$$

$$X_{1}+X_{2}$$

$$X_{1}+X_{2}$$

$$X_{2}+X_{2}$$

$$X_{2}+X_{2}$$

$$X_{3}+X_{2}$$

$$X_{4}+X_{2}$$

$$X_{2}+X_{3}$$

$$X_{3}+X_{4}$$

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$$X_{4}+X_{4}+X_{4}+X_{4}$$

$$X_{4}+X_{4}+X_{4}+X_{4}+X_{4}+X_{4$$

Septem 2, 2021 12:14 PM [Profit/policy] = [Prenium/policy (· Lonstant)
- Admin Feer/policy (· Constant)
- pay 6cut/policy (Random)

50 = Premium - 15 - E(payout/policy)

=> Premium = 50 + 15 + E(payout/policy)

W.p. 3/100 W.p. 1-3/100 Payort/policy = (1000 => \(\frac{1000(\frac{2}{100})}{1000(\frac{2}{100})} = 20 · Premlyh = 50+15+20 - 85