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b) 
$$P(\text{comedy or horro})$$

=  $P(\text{comedy}) + P(\text{horror}) - P(\text{commody horror})$ 

=  $54 + 12 - 0$ 

$$P(\text{comody} = 66)$$

Or horror)

3)  $P(\text{Red} = 3)$ 
 $P(\text{Black} = 4)$ 
 $P(\text{Black} = 5)$ 
 $P(\text{Black} = 5)$ 
 $P(\text{Black} = 5)$ 
 $P(\text{Black} = 7)$ 
 $P(\text{Black$ 

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$$\frac{7}{22} = \frac{7}{22}$$

$$\frac{5}{16} + \frac{7}{22}$$

$$\frac{110413}{352}$$

$$= \frac{7}{22} = \frac{7}{22} \times \frac{352}{222}$$

$$\frac{222}{358}$$

$$= 2464 = 0.5045$$

$$\frac{1}{4884}$$

$$\frac{1}{4}$$

$$\frac{1}{10} \text{ one how} = 450 \text{ applications}$$

$$\frac{1}{4}$$

$$\frac{1}{10} \text{ one how} = 450 \text{ applications}$$

$$\frac{1}{10} \text{ in mean} = \frac{15}{450} \text{ app} = \frac{15}{450} \text{ app}$$

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$$\frac{1}{10} \text{ app} = \frac{1$$

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b) 
$$P(x=17) = (7.5)^{17}e^{-67.5}$$
 $17!$ 
 $P(x=17) = 3.7991e^{-7}$ 
 $0.675 = x - 350870$ 
 $12405$ 
 $X = 350870 + (0.675 \times 12405)$ 
 $17546$  percentile = 359837.045

The value  $q = 7 \Rightarrow 44^2 + 21^2 + 36^2 + 36^2 + 36^2 + 37^2 + 39^2 + 92^2 + 67^2 + 45^2 + 37^2$ 
 $17546$  percentile = 359837.045

 $17546$  percentile = 359837.045

