= (x)= (each possible outrome) ~ (prob ocurry)  $(1\times0.05)+(2\times0.18)+(4\times0.30)$ + (8 × 0.35) + (16× 0.15) = 675 b) V(x) (1-675)2\*005+(2-675)2\*015 +(4-675)2\*030+(8-675)2\*035 + (16-15)2 + (15 33 0625 \* 15 = 1 653125 72 5625\*15 = 3384375 -776/AT = 0.546875

= 12. 134375

$$\frac{(0 \times .60) + (1 \times .25) + (2 \times .10)}{+ (3 \times 605)}$$

b) 
$$P(4) = \frac{4}{10}$$
  
 $P(1) - P(2)$