9) P(mos)=.7 = (3)(.3)(.3)(.3)=.063 R[full]=.3 6) .7 + (.3)(.7)+(.3)(.3)(.3)(.3)=.973

5.5

$$Rfa:1)=.3$$
6) $.7+(.3)(.7)+(.3)(.3)(.7)=.973$

4 nationalities a) Sample= 12 therefore we get I frem (SC)(3C)/2C)(SC) each 6) (202) (34) (24) 1264 (24) (3(2) (24) 13= F12) (201) (3C1) (2C2) 2(0)(3)(2))+((2)(3)(2)) 35 12+12= 2# = [68] simple size = 10 -> 5/10 have dogs 5.49 pcags=.3 folice size to 9 \$ dog owners to 4 acy somer of the first 4 does not norther 964=126(.3)5(.7)5=17 5.5 Similar to 5.49 P(x=2); 6+0+41 trials = (6(2)(1/2) (1/2) -(1/2) 1) P(heads) = 1/2 x=heads 0) P(x=0); 3 total Minus = 3 Co(2)(2) (2) = .063) 5.61) P(0EXES) = \(\frac{2}{6} \left(\times \frac{1}{2} \right) = 0.266 P(error) 2.001 A GAP POISSON APEROX = M2/8

5.3 |
$$P(x \angle 4) = \frac{3}{10} = \frac{3}{3}$$

5.9 | $P(x \angle 4) = \frac{1}{10} = \frac{3}{10}$

b) $P(x \angle 4) = \frac{3}{10} = \frac{3}{10} = \frac{3}{10}$

c) $P(x \ge 5) = 1 - P(x \le 5) = 1 - \sum_{x \ge 0} \frac{3}{10} = \frac{3}{10}$

5.21 | $7 + \text{hrows}$

Duiscoje: $0 = \frac{3}{10} = \frac{3}{10} = \frac{3}{10} = \frac{3}{10}$

Wish: $0 = \frac{3}{10} = \frac{3}{10} = \frac{3}{10} = \frac{3}{10}$

Wish: $0 = \frac{3}{10} =$

5.39]
$$P(object) = -k$$
 (in favor) Complinent $x=2$

$$P(x \ge 3) = 1 - P(x \le 3) = 1 - \sum_{x=0}^{10} c_x(t_x)(t_x)$$
Random sample = 10 = .95