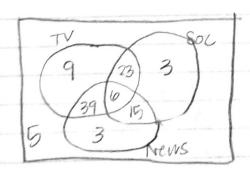
Lesson O Homework

- 4 2 Managers (34) = 5984 Total
 12 Analysts (3) Combinations
 20 Techs
 34 Total
 - a) All analysts (12) = 220 220 = .0368 5984
 - b) Both managers $\binom{2}{2}\binom{32}{1} = 32 = .0053$
 - c) Two of one job category + one other category techs (20) (14) = 190 (14) = 2660) 4144 = 5984
 - analysts (12)(22) = 100(22) = 1452 + 1144
 - manager $\binom{2}{2}\binom{32}{1} = 1(32) = 32$
 - d) Atleast 2 from same team $5984 (20)(12)(2) \Rightarrow 5984 480 = 5504$
- [5] a)0.77 0.45 = 0.32 b)1 - 0.77 - 0.29 = 1 - 0.48 = 0.52 c) Ust TV T7 - (e - 29 - 23 = 9)News (e3 - (e - 15 - 39 = 3)Social 47 - (e - 15 - 23 = 3)



100-9-23-3-15-3-751-6=5 None of the Sources = 51.

.6925

	Pos Neg
	[10] Disease 991. (100)=99 17. (100)=1 101. (1000)=100
	NO DISCUSE 21. (900) = 18 981. (900) = 882 901. (1000) = 900
	117 883 1000
	a) 99 0,099 b) 882 0.882 1000 = 1000
	1000
	TEST IS IVIOUS TETIAINE TO
	c) PN those without the disease.
	D 9.9 0.1 10 not great at diagnosis.
	ND 19.8 970.2 990
	29.7 970.3 (1000 d) This test yets less
	9.9 reliable as prevalence
	1000 V. VIII GENTUSES. TO DECENTATELY
	diagnosis a rate
	9) Defect to sect i should be used.
	A 25.7 604.8 670 B 29.6 340.4 370
	54.8 945.2 1000
	71.0
sali aligani afilini ya ili ng Difili nganani fin asan sali m	a) 25.2 = 0.025,2 b) 54.8 = 0.0548
	1000
	0) 25.2 = 0.4598
	54.8
	(3) a) Discrete 6) 0.4 c) 0.6
	14
	$[0] (a) \int 2x^{-3} \Rightarrow -\frac{1}{x^2} + 0$
	b) $P(X \leq \theta_p) = F(\theta_p) = -\frac{1}{\theta_p^2} + C$
	$\frac{1}{\theta_0^2}$

THe var(
$$\alpha x + b$$
) = $\alpha^2 var(x)$ = $\alpha^2 (var(x))$ = $\alpha^2 (var(x))$ = $\alpha^2 (var(x))$