	Algebraic Equations Problem Set Final Answers for questions #1-16
	Final Answers for questions #1-16
	1)
	2) If Wilson was a teacher, then that means Blair is a lawyer. Since
	Blair supposedly says he is a lawyer (which should be a lie) his statement is contradictory to our original assumption. Therefor, Wilson
	statement is contradictory to our original assumption. Indeter, Wilson
	is the langer 3) 7, 17, 37, 47, 67, 97 = 6 total
1	4)
	(1,1,1),(-1,-1,1),(1,-1,-1)=4 total
(5) 69
-	7) Ann, Dave, Bill, Carol
	8) 440 yards/hr, I hour & This is because the current is affecting the the
(0 6:7
	0) D; 45231
	1) 704
1.	2
1	5) C ; 200
1	6) 750
,	7 130
	Full Solutions For questions #17-20
1	\mathcal{D} $\chi^3 - \mathcal{B}$
	= $x^3 - 2^3$ Difference of cubes fomula: $a^3 - b^3 = (a - b)(a^2 + ab + b^2)$
	$= (x - 2)(x^2 + 2x + 2^2)$

 $% >0 \rightarrow c+1>0 \rightarrow c>-1$ y70 → 3-2c>0 → 3>2c → 3/2>C -14CL3 19) $\chi^4 + 324 = \chi^4 + (4)(3^4)$ $= (\chi^2 + 2(3^2) - 2(3\chi)(\chi^2 + 2(3^2) + 2(3\chi))$ = $(\chi(\chi-6)+18)(\chi(\chi+6)+18)$ (10(10-6)+18)(10(10+6)+18)(22(22-6)+18)(22(22+6)+18)(34(34-6)+18) (34(34+6)+13)(46(46+6)+18)(46(46-6)+18)(58(58+6)+18)(58(58-6)+18) (4(4-6)+16)(4(4+6)+18)(16(16-6)+18)(16(16+6)+18)(28(28-6)+18) (28(28+6)+14) (40(40-6)+18) (40(40+6)+18) (52(52-6)+18) (52(52+6)+18) (58) (178) (370) (634) (970) (1376) (1858) (2410) (3034) (3730) (10)(58)(178)(370)(634)(970)(1378)(1858)(2410)(3034) 3730 10 = 373

