Pre Calculus

				1)
	Name:	Date:	Per:	a) Break-even point:
	SHOW ALL WORK UND	DER PROBLEM FOR CREDIT -> TYPE	work and ans. in blue	b) Minimum number of desks that must be sold to
	[Upload this WS w/ar	nswers to TEAMS by Friday – 1hr pr	ior to your class]	
4١	• • • • • • • • • • • • • • • •	- to many fractions and the dealer	The fined east will be	make a profit:
1)	A company is planning to manufacture computer desks. The fixed cost will be \$18,000 and it will cost \$37 to produce each desk. Each desk will be sold for \$85. Determine a) the break-even point , and b) the minimum number of desks that must be sold <i>to make a profit</i> .			2)
	C(x)=	R(x)=		
				3)
				4)
				5)
2)	A new restaurant is to Fire codes limits the r If the owners have hi	o contain two-seated tables and fou estaurant's seating capacity to 56 c red enough servers to handle 16 tab	r-seated tables. ustomers. iles.	_
	how many of each kin	nd of table should they purchase?	y purchase?	6)
				/)
3)	<u>Solve:</u> $2x - 3y - 2z$	x = 23		L
	2z + 2y	v = -22		
	52	i = -i J		

4) Solve by the Elimination Method (Addition Method): 4x - 2y = 2-16x + 8y = -8 In 5-7 decompose into partial fractions. Use distributive property on answers.

5) $\frac{1}{x(x-1)}$

6)
$$\frac{x}{x^2 + x - 6}$$

7)
$$\frac{3x^2+49}{x(x+7)^2}$$