Page 479 #1-16 every 3rd, 20-24 even, 25-29 all

- Word Problem Practice For Chapter 7 TEST

 1. The length of a rectangle is 5 feet less than 3 times the width. The perimeter is 22 feet. What are the dimensions of the rectangle?
- The difference of the ages of Max and his dad is 22. His dad is 2 years more than three times Max's age. 2. How old are Max and his dad?
- A hairdresser has a bottle of 10% blonde peroxide solution and 4% brunette peroxide solution. She needs 200 ounces of a 6.25% peroxide solution. How many ounces of blonde and brunette peroxide solution will she need?
- A fruit salad contains x cups of apples and y cups of bananas. There are at least 6 cups apples and bananas total in the salad. However, you can have at most 1/3 the amount of cups be bananas. Set up a system of inequalities and graph on the coordinate plane to find possible solutions.

\bigcirc	Word Problems						
()	1=3w-5 22=2(3w-5)+2w						
	P=21+2w 22=6w-10+2w						
	32 = 8w						
	4=w 1=3(4)-5						
	w=4ft 12-5						
	l-7ft l-7						
2)	D-22=M D=3(D-22)+2						
	D=3M+2 D=3D-66+2						
	-20=-64						
	D=32 M=10						
_3)	x+y= 200 x= 200-y x= 200-125						
	elx + Oty = ,0025 (200) x = 75 of 10%						
	1(200-y) + .04y = 12.5 y= 125 ef 4%						
	20-14+.044=12.5						
	-0.06y = -7.5						
	y = 125						
4)	x+y≥6						
	V52						
	V≥0						
Л	21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						

1) 0	mph y=3	9 4		20-0	1	
1) (4	mph y=3	9 4		40-2	4 1000	
		5x+6 y	=-X+2 (-1,3) 25-2	9 A11	
	raph y= {					
- 7) '-	-4x + (5x-7) =-	y = 5(4)-7			
	-4x+5x-7=-1 y=30-7 (4,23)					
		y = 2				
10) y	1=-15x+70	'	y=-15(4	1)+70		
3	x-2(-151+70):-8	V=-60	90	r	
	x +30x -140=		y=10			
	33 x :	: 132				
	y = 4 (4,10)					
(3)	Px +3y = -9	8 x	+ 3(5)= -0	7		
Table 1	8x +y = 29		+15=-9			
	4y = 20		81=-24			
	y= 5		X=-3	(-3,	5)	
16) 3	3x +2y = -5	3-y	= 10			
	x-2y=20	~y	=7			
	5x=15	У	=-7			
	x=3			(3,7)	
20) y	1=4x+4 //	Lines, no	Solution			
y	1=4x+1					
22) 6	1/- ty = 5	-12x+14	ly = 10	11 Lines,		
	-14=-6x+5	je	ly= 12x+10	No Solut	ica.	
	y= \$x-=		V= \$x+\$			
24) /	Oz-2y=14	15x-3	3y = 21	Scince of	M,	
	-2y= -10x+1	1 -3	By=-151+2			
	v=5x-7		Y= 5x -7	5	tely Many	