

## N3CS20

## Practice Set 22b

Instructions: Answer each question on loose leaf, quad-ruled (graph paper), headed properly and written in lead-graphite. Remember to fold paper along the center, work exercises in order top to bottom, left column then right column. Staple multiple pages

1. Pizzazz Algebra pg 176 #'s 1-4 (see Weebly)
2. Pizzazz Algebra pg. 166 #'s 1-4 (see Weebly)
3. Determine the perimeter of a square whose area is  $961\text{cm}^2$
4. Determine the surface area of a cube whose volume is  $512\text{cm}^3$
5. **#nerd alert!**

**The following table relates starship velocity to warp factor:**

Warp Factor	Times the speed of light
0	1
1	2
2	4
3	8
4	16
5	
6	
7	
8	



- a) Is this function linear or nonlinear? Justify your argument with evidence
- b) Complete the table.
- c) Write an equation that models this function.