

Name: _____

Complete as many of the following problems as you can with your table. If your entire table finishes early, you may leave early or work on homework.

(1) Solve for the specified variable:

(a) $y = 7x + 13$ for x

(c) $A = \frac{2x + y + 3z}{5}$ for z

(b) $B = \frac{1}{4}(q + z)$ for q

(d) $F = \frac{9}{5}C + 32$ for C

(2) Steve borrowed \$500 from his credit union for 2 years. The simple interest that he paid was \$52.90. What simple interest rate was Steve charged?

- (3) (a) The formula for the surface area of a rectangular solid is $S = 2lw + 2wh + 2lh$. Where l is the length, w is the width, and h is the height. Find the surface area of a rectangular solid with length 7, width 4, and height 3.
- (b) You roll a 6-sided die. What is the probability of rolling a number less than 3? What percent does this correspond to?