When a customer asks you for an estimate for the cost of a tiling job, you use the price per unit and add labor costs of $28.25 per hour. You use the following variables.

n = number of units used

h = number of hours

T = total cost ($)

1. Write an equation for the total cost of installing the Sunset Border. The unit price is $2.28. [Hint: If you have trouble writing an equation, try using numbers instead of variables. Then think about the calculations you made and write them using variables.]
2. A customer wants 51 units of Sunset Border installed and hopes to pay no more than $550.
   1. How many hours of installation time would this allow? Show your work.
   2. You estimate it takes approximately 20 minutes to install one unit of Sunset Border. Can you meet the customers’ budget? Show your work.
3. Read Example 2 from p. 155 of your textbook. How is this example like solving the equation *2x + 5 = 10*? How is it different?
4. Using the information from above, solve the equation *a – 5b = 3c* for *b.*