Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

SHOW ALL OF YOUR WORK

1. In Shop class, students need to determine what length pine board (5 inch wide) they will need for their birdhouse project. The 4 walls are 6¼ inches tall, the roof is 5¾ inches and the floor is 3½ inch by 3½ inch. There are 4 students completing a birdhouse each.

a) What length of board will they require each? How much pine in total?

b) (‘b’ for bonus!) Research the cost of the required pine board and determine the total price of purchasing enough board for four students to complete a birdhouse.

2. In Culinary Tech, Jansen is in charge of determining what amount of supplies must be purchased for their recipe. There are five groups that will be cooking. Recipe is below:

*Mrs. Hamilton’s* ***Grammie’s Scotch cookies***

*Cookies:*

*1 cup butter*

*1 ¾ cups of flour*

*¼ cup of icing sugar*

*Icing:*

*1/20 cup butter*

*½ cup icing sugar*

*1/8 cup milk*

*3/100 cup of vanilla*

*Mix first 3 ingredients and roll out and cut or ball and flatten. Bake at 350oc for 8-10 min. Whisk icing ingredients. Put drops of icing on each cookie when baked and cooled. Enjoy!*

a) What total amount of each ingredient will need to be purchased?

b) (for…) What would the total cost for ingredients be? *(remember that you may need to buy slightly more than you need depending on packaging).*