Scenario A: Mrs. Monroe is putting new ceramic tile on her outside kitchen counter (beside her barbecue pit on her patio). The dimensions of the counter are $12\frac{1}{2}$ ft by $3$ ft. Mrs. Monroe is going to use tiles that are 6 in. by 6 in. The tiles come in boxes of $1\frac{1}{2}$ dozen tiles.

1. What is the area of Mrs. Monroe’s outside kitchen counter (in square feet)? \_\_\_\_\_\_\_\_

2. What are the dimensions of one tile in feet? \_\_\_\_\_\_\_\_ ft by \_\_\_\_\_\_\_\_ ft

3. What is the area of one tile (in square feet)? \_\_\_\_\_\_\_\_

4. How many tiles does Mrs. Monroe need for her outside kitchen counter? \_\_\_\_\_\_\_\_

5. How many boxes of tiles does Mrs. Monroe need to buy? \_\_\_\_\_\_\_\_\_

6. Mrs. Monroe must pay $11.16 for a box of 18 tiles. She must also pay an 8% sales tax.

* What is her total cost for the tiles?

 \_\_\_\_\_\_\_\_

* What is her change if she pays with six $20 bills? \_\_\_\_\_\_\_\_\_

Scenario B: Mrs. Torres bought a keyboard for her son. Its regular price was $76, but it was on sale for 30% off. Mrs. Torres also had to pay an 8% sales tax.

7. What is SALE price of the keyboard (before tax)? \_\_\_\_\_\_\_\_

8. What was the final amount that Mrs. Torres paid for the keyboard? \_\_\_\_\_\_\_\_

Scenario C: Maria worked this summer, so she opened up a student checking account.

9. Maria started the week with $314 in her account. She deposited $35 cash and a check for $56. She used her debit card for three purchases: $8, $23, and $11. Which expression can be used to represent the amount of money that Maria now has in her account?

A 314 - 35 - 56 + 8 + 23 + 11

B 314 + 35 + 56 – 8 + 23 + 11

C 314 + 35 + 56 – (8 + 23 + 11)

D 314 + 35 + 56 – (8 - 23 – 11)

10. How much money does Maria now have in her account? \_\_\_\_\_\_\_\_

11. Maria noticed that the bank took off three bank fees of four dollars each; apparently the bank had wrongly charged her. Write an expression to represent this situation. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. Maria also noticed that she had two bank fees that were five dollars each.

Write an expression to represent this situation. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. How much money does Maria now have in her account? \_\_\_\_\_\_\_\_

Skills Practice: Simplify each expression.

14. (-4)(-2)(-5)=\_\_\_\_\_ 15. 80$÷$(-5)(-4)=\_\_\_\_\_

16. -2 + 5 = \_\_\_\_\_ 17. -4 + (-2) = \_\_\_\_\_

18. -4 – 4 = \_\_\_\_\_ 19. -6 – (-4) = \_\_\_\_\_

20. -5 – 2 = \_\_\_\_\_ 21. -2 – (-5) = \_\_\_\_\_