**Heart of Algebra SAT Practice Problem 6**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 4 Quiz Day Worksheet** **(HOA #2)** Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_\_\_

On Friday night, Eric sent $t$ snapchats each hour for 3 hours, and Autumn sent $w$ snapchats each hour for 6 hours. Which of the following represents the total number of snapchats sent by Eric and Autumn on Friday night?

A) $9tw$

B) $18tw$

C) $3w+6t$

D) $6w+3t$

1) What is the problem asking?

2) What information is given?

3) What vocabulary would you need help with?

4) What operation would you use for “total”? Can you eliminate any of the answer choices?

5) If Eric sent $t$ snapchats in one hour, how many snapchats did he send in two hours? Five hours?

6) If Autumn sent $w$ snapchats in one hour, how many snapchats did she send in two hours? Four hours?

7) Answer:\_\_\_\_\_\_\_\_\_\_\_\_

**Heart of Algebra SAT Practice Problem 7**  Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 4 Quiz Day Worksheet** **(HOA #9)** Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_\_\_

Calculator Can Be Used

If $12+3x$ is $16$ more than $20$, what is the value of $6x$?

A) $8$

B) $12$

C) $24$

D) $48$

1) What is the problem asking?

2) What information is given?

3) What vocabulary would you need help with?

4) What is the value of “16 more than 20”?

5) Use the expression given and your answer from #4 to create an equation. Solve this equation.

6) Can you find the solution for “x” in the list of answers? Why would this answer be wrong?

7) Answer:\_\_\_\_\_\_\_\_\_