Name _____ Date _____

Complicated Expressions - Guided Lesson Explanation

Explanation#1

We need to find two like parts that we can separate. $(6 - e)^2$ can be split into two parts (6 - e) and (6 - e) by taking the square root of it.

So our final answer will be all three parts:

V x (6 - e) x (6 – e)

Explanation#2

Step 1) We need to remember that the easiest way to simplify expressions is to combine like terms.

Step 2) We see three of the same term (u-8). We can combine them by multiplying or raising them to an exponent.

Step 3) So the answer is $(u – 8)^3$. Putting it all together:

$t \times (u – 8)^3$

Explanation#3

We put the parenthesis around the parts that are directly involved with one another. In this case, nine and five are directly related because they are referred to as a sum. Sum is an indicator of addition. So we need to indicate (9 + 5)

This is being subtracted from 17. We just add this to our operation in numbers. Putting it all together, we get:

17 - (9 + 5)