Name _____ Date _____

Rewriting Expressions - Guided Lesson Explanation

Explanation#1

Choices a and d have whole number variables; which definitely cannot get from our expression. That counts them out. Let's evaluate choices b and d.

b) $(x^3)^3 - (y^3)^2$ d) $(x^3)^2 - (y^3)^3$

Let's try to get as many like terms as we can. Multiply the exponents to find the final value of the exponents.

b) $x^9 - y^6$ d) $x^6 - y^9$

Choice b is the same as our original expression. So the answer is b

Explanation#2

$4(y + 7) + 7$ Let's work out of the parenthesis.

$4y + 28 + 7$ Combine the like terms.

$4y + 35$ Complete simplified.

Explanation#3

$9^3 \times 5^2$

Evaluate $9^3 = (9 \times 9 \times 9) = 729$ and Evaluate $5^2 = (5 \times 5) = 25$

729×25 Multiply

18,225