

6.3 Mixed Simplifying - Day 3

When simplifying polynomial expressions, it is important to **THINK FIRST!!!**

What operations do you see?

DON'T JUST GO FROM LEFT TO RIGHT!!!

PEMDAS

Examples: Discuss how you would go about simplifying the following expressions.

1. $7(2x - 4) - (5x - 3)$
distribute change signs

Combine like terms

2. $t - 3[2t - (t + 5)]$
change signs
distribute -3

Combine like terms

3. $5 + [2x + (10 - x)] + 3x$
Keep signs
Keep signs
Combine like terms

4. $3n[4(5 - n) - (2 + 2n)]$
distribute 4 change signs

distribute 3n

Combine like terms

5. $6x - (3x + 2) + (3x - 4) + 5(7x + 9)$
change signs Keep signs distribute 5

Combine like terms

6. $-2[h + 4(h - 2)] + 6[h - 3(h - 8)]$
distribute 4 distribute -3
distribute -2 distribute 6

Combine like terms

HOMEWORK

Worksheet - HW 6.3 Mixed
Simplifying Day 3