

PRACTICE

REVIEW

THE DISTRIBUTIVE LAW

Simplify each pair of expressions.

- $4 + 2[s - 6s - 1]$
 - $(4 + 2)[s - 6(s - 1)]$
- $4x - 2x[x - 6(x + 1)]$
 - $4x - x[x - 6(x + 2)]$

EQUATIONS

- The solution to this equation is 6:
 $5x - 1 = 29$.
 - Change one number in the equation so that the solution will be 5.
 - Change the coefficient of x so that the solution to the equation will be 15.

PARENTHESES

- Simplify. Compare your answers for (a) and (b).
 - $10 - 5 - 3 + 2$
 - $10 - (5 - 3 + 2)$
- What is the smallest number you can get by inserting parentheses in the first expression? The largest number? Explain, showing your work.
- Make up an expression containing three terms whose value depends upon where the parentheses are placed. Find all the possible values.
 - Make up an expression containing three terms whose value does not depend upon where the parentheses are placed.