Solving for x: Lesson 08

Distributive Property: Worksheet 1

Name: _____

MATH ALL

Solve using order of operations.

$7(4+2) =$ ____ · ____ = _____

$-3(9-5) =$ ____ · ____ = _____

Solve using distributive property.

$7(4+2) =$

____ · ____ + ____ · ____ =

____ + ____ = _____

$-3(9-5) =$

____ · ____ + ____ · ____ =

____ + ____ = _____

Simplify using distributive property.

$7(6w+1) =$ _____

$-9(2e^2-5) =$ _____

$+(21y+17) =$ _____

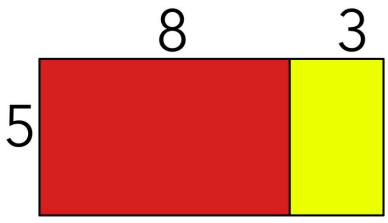
$-11(3a+4) =$ _____

$10(9x-8) =$ _____

$-(12b^2-13) =$ _____

Show area two ways.

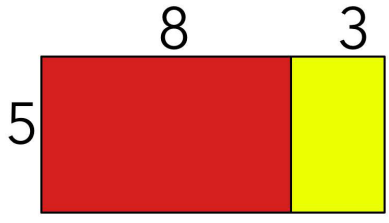
One big rectangle



____(____ + ____) =

____ · ____ = _____

Two smaller rectangles



____ · ____ + ____ · ____ =

____ + ____ = _____

Multiply using the distributive property.

$8 \cdot 22 =$ $20 \cdot 37 =$ $9 \cdot 53 =$

Simplify.

$-4(x^2-3)+(x^2-13)=$ $8(3a^3-1)-(5a^3+7)=$

$-9(x+6)+6(3x+5)=$ $17(y^2-1)-2(3y^2-5)=$