

Name _____

Period _____

Solving Equations Using the Distributive Property

To solve an equation that has an operation involving the

1. _____

2. _____

Solve: $5y + 2(y - 3) = 92$

_____ Use the distributive property

_____ Combine like terms

_____ Add 6 to each side

_____ Simplify

_____ Divide each side by 7

_____ Solution. Y is alone.

Practice:

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1.) $24 = \frac{1}{4}(x - 8)$

2.) $3(4 - s) - 5s = 52$

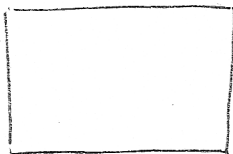
3.) $\frac{1}{2}(x + 12) = -8$

4.) $1 = y + 3(y - 9)$

Write an equation for the area of the rectangle. Then solve for x.

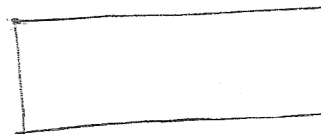
5.) area is 63 square units

6.) area is 48 square units



9

$x + 3$



12

$x - 5$