Solving Multi-Step Equations

Examples: Solve each for X

1) $2(x + 5) = 20$ Step 1 - Remove Brackets

Nov 3-12:14 PM

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2) $4(x - 3) = 20$

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3) $3(x + 2) = -9$

Apr 6-5:23 PM

Step 1 - Collect <u>variable(letters)</u> terms on one side of the equation.

Step 2 - Collect the <u>constant terms (numbers)</u> on the other side of the equation.

Left Side   =   Right Side

1) $6x = 4x + 10$

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2) $5x + 3 = 3x + 9$

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3) $4x + 6 = 2x + 16$

Nov 3-1:23 PM

4) $4x - 6 = -2x + 12$

Nov 5-1:34 PM

$2(2x - 3) = 3(x + 4)$

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$5 - (x + 6) = 2x - 7$

Apr 6-6:41 PM

$6x - 3(x+1) = 2(x-1) + 4$

Apr 6-6:39 PM

Textbook Assignment -

Page 169 # 3
Page 170 # 4

Mar 16-10:47 PM

Apr 6-6:39 PM