

Ch 4.4 Solving Multi-step inequalities.

Rules:

- Distributive Property
- Combine like terms on same side
- Move variables to left +/-
- Move #'s to right +/-
- $\times$  or  $\div$  (\* if negative change inequality symbol)

Ex1a)  $5x - 3 > 12$

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Ex1b)  $-x + 4 \leq 2(x - 8)$

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Try #1.  $-3x + 1 \leq 22$

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Try #2.  $3x + 2 < 7x$

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Ex3. You want to buy a pair of jeans for \$35 and some t-shirts that are \$23/each. If you have \$104, how many shirts can you buy? Write an inequality to model the number of shirts?

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