

Solving Inequalities: PCMMD*

- Parenthesis – work from the inside out
- Combine like terms, but don't cross the river (= sign).
 - * Combine on scrap. Follow rule for addition and subtraction of signed numbers.
- Move the variable by doing the inverse (opposite).
- Move the constant by doing the inverse (*constant*: a number by itself; its value never changes)
- **D*** Divide by the coefficient (*coefficient* – number immediately in front of the variable;)

***Star: If you divide or multiply by a negative number, reverse the inequality sign.**

e.g $-6x > 54$

$x < -9$ Since I divide both sides by -6, I reverse the inequality sign.