

Name: _____

Hour: _____

II-5 Solving Multi-Step Inequalities Notes

How to Solve Inequalities:

1) Solve them EXACTLY like you solve equations...

2) ... except: When you _____ or
_____ both sides by a
_____ number, you have to flip your
inequality symbol (Remember: inequality challenge).

Examples:

1) $2x + 7 < 17$

4) $5x - 3 > 7x + 15$

2) $\frac{x}{3} + 9 \geq 6$

5) $2 - 3x < 20$

3) $4(3x - 6) \leq 24$

6) $\frac{x}{-7} + 9 \geq 15$