

Notes #2 ~ Sect. 1.4: Solving Inequalities

Example 1 : Solve and graph the solution.

$$-2x < 3(x - 5)$$



Example 2 : Solve and graph the solution.

$$7x \geq 7(2 + x)$$



Example 3 : A real estate agent earns a salary of \$2000 per month plus 4% of the sale. Find the sales if the salesperson is to have a monthly income of at least \$5000.

Example 4 : Solve and graph the solution.

$$2x - 1 \leq 3x \text{ and } x > 4x - 9$$



Example 5 : Solve and graph the solution.

$$3x + 9 < -3 \text{ or } -2x + 1 < 5$$

