

Name: _____

Date: _____

Learning Goal 0.2**Expectations for algebra from previous years.****Example** Solve the one – dimensional inequality.

a. $-12x < 9 - 15x$

b. $\frac{7 - 2x}{3} \leq 4$

c. $x^2 + 3x \leq 10$

d. $3x^2 - 5x + 2 > 0$

e. $|4x + 5| > 9$

f. $|7 - 2x| \leq 3$

Example Solve the two – dimensional inequality.

a. $y - 5 > -\frac{1}{2}(x + 2)$

b. $y \leq \frac{1}{2}x^2 - 5x + \frac{11}{2}$

