

Name: _____

Date: _____

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

a. $5(7 - x) < -15$

c. $3 - 2x - x^2 \leq 0$

e. $|2x - 5| \geq 11$

b. $2\left(-3x + \frac{3}{2}\right) \geq 6$

d. $9x^2 < 16$

f. $|5 - 3x| < -4$

Example Solve the two – dimensional inequality.

a. $y \geq -3x + 4$

c. $y + 4 \leq \frac{5}{3}(x + 3)$

e. $y < 5x^2 - 10x - 3$

b. $3x - 2y < 12$

d. $y > (x - 6)^2 + 5$

f. $y \leq |6 - 2x|$