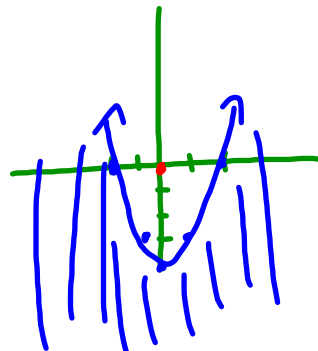


3.3 Graphing Non-Linear Inequalities

#20 $y \leq x^2 - 4$

x	y
-2	0
-1	-3
0	-4
1	-3
2	0

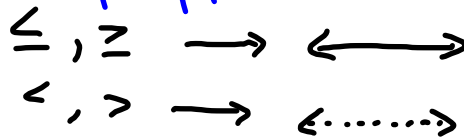


Test Pt. nt

(0,0)

$0 \leq 0 - 4$

$0 \neq -4$



To solve abs. value inequalities

Ex $3 + |x + 4| > 8$

$>, \geq$ OR

$|x + 4| > 5$

$<, \leq$ AND

$x + 4 > 5$ or $x + 4 < -5$

$x > 1$ or $x < -9$

#35 $|7 - 2x| - 8 < 3$

$|7 - 2x| < 11$

$7 - 2x < 11$ and $7 - 2x > -11$

$-2x < 4$

$-2x > -18$

$x > -2$ and $x < 9$

$-2 < x < 9$