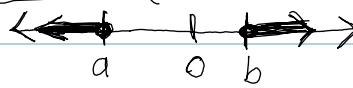
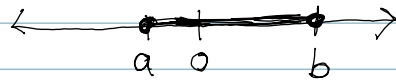


Lesson 112 - Quadratic Inequalities (less than zero)

Lesson 110 - (Greater than)



Now: Less than zero

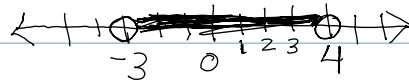


Steps - Take notes)

1. Solve for zero
2. Factor (Solve)
3. Find roots and graph them
4. Graph

Ex. 1: $(x+3)(x-4) < 0$
 $x = -3, 4$

$D = \{\text{Reals}\}$

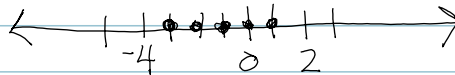


Ex. 2: $x^2 + 2x - 8 < 0$

$D = \{\text{Int}\}$

② $(x+4)(x-2) < 0$

③ $x = -4, 2$



Ex 3: (From Lesson 113)

$x^2 - 8 \leq 2x$

$D = \{\text{Int}^-\}$

① $x^2 - 2x - 8 \leq 0$

② $(x-4)(x+2) \leq 0$

③ $x = 4, -2$

