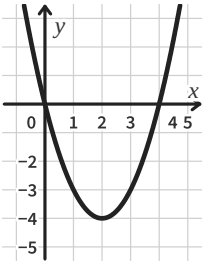
Quadratic inequalities *lesson handout*

Turn and talk

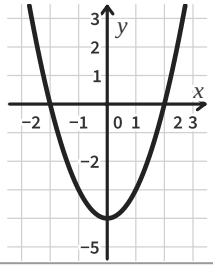
Mark the values of x you find that make $x(x-4)$ negative.



We do

The graph of $y = (x+2)(x-2)$ is drawn.

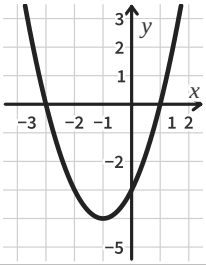
Solve $(x+2)(x-2) > 0$.



You do

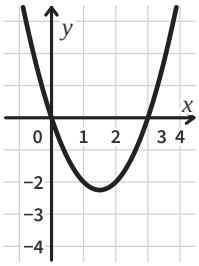
The graph of $y = (x+3)(x-1)$ is drawn.

Solve $(x+3)(x-1) < 0$.



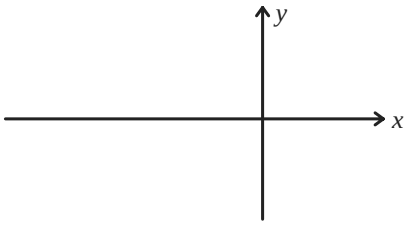
You do

The graph of $y = x(x-3)$ is drawn. Solve $x(x-3) > 0$.



We do

Solve $(x+4)(x-1) > 0$.



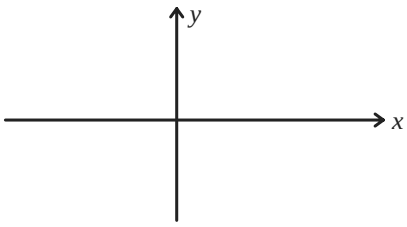
You do

Solve $(x+5)(x+2) < 0$.



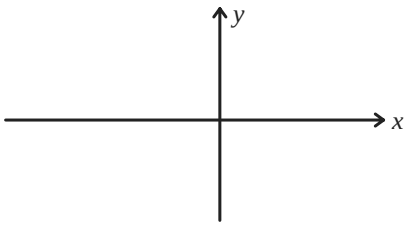
You do

Solve $(x-3)(x+2) > 0$.



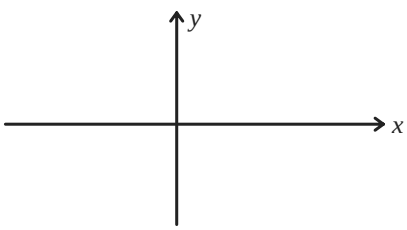
We do

Solve $(x+3)(x-2) \geq 0$.



You do

Solve $(x+2)(x-3) \leq 0$. Write down the integers that fit.



You do

Solve $x(x+5) \geq 0$.

