

Warm Up

1) $f(x) = (x + 3)^2 - 1$

Type: *Quadratic*

Transformation(s):

Left 3, Down 1

Domain:

\mathbb{R} *$(-\infty, \infty)$*

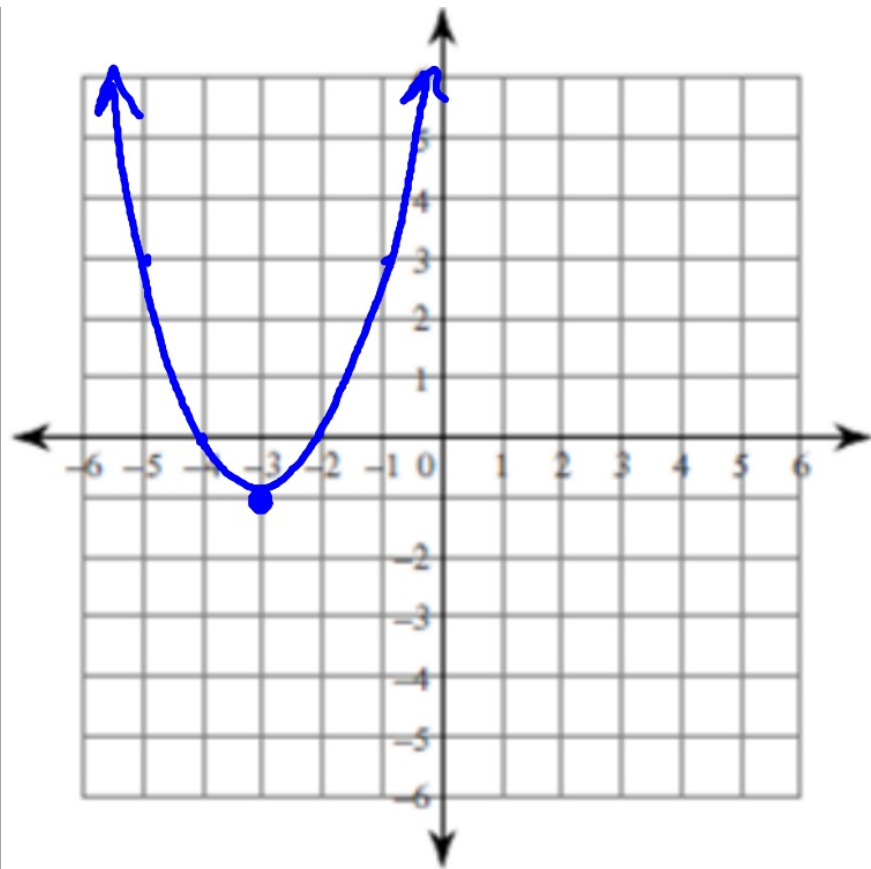
Range:

$y \geq -1$ *$[-1, \infty)$*

Positive Interval(s):

$(-\infty, -4) \cup (-2, \infty)$
 $(-3, \infty)$

Increasing Interval(s):



Warm Up

2)

Type: Abs. Value

Transformation(s):

Ref, Right 1, Up 5

Domain:

\mathbb{R} $(-\infty, \infty)$

Range:

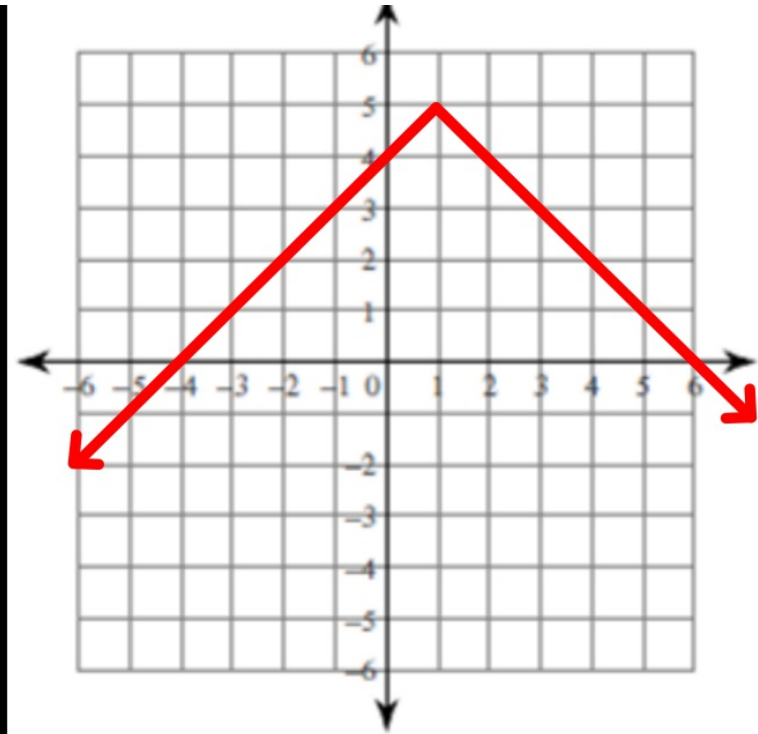
$y \leq 5$ $(-\infty, 5]$

Positive Interval(s):

$(-4, 6)$

Increasing Interval(s):

$(-\infty, 1]$



Equation:

$$y = -|x-1|+5$$