



Polynomial Inequalities - Factored Quadratic - Sign in an Interval

1

Is this polynomial positive or negative on the interval $(-1, 3)$?

$(x + 1)(x - 3)$

A	Positive
B	Negative

2

Is this polynomial positive or negative on the interval $(-\infty, -2)$?

$(x + 2)(x + 1)$

A	Positive
B	Negative

3

Is this polynomial positive or negative on the interval $(-3, -2)$?

$(x + 3)(x + 2)$

A	Positive
B	Negative

4

Is this polynomial positive or negative on the interval $(-\infty, 0)$?

$x(x - 1)$

A	Negative
B	Positive

5

Is this polynomial positive or negative on the interval $(4, \infty)$?

$(x + 1)(x - 4)$

A	Negative
B	Positive

6

Is this polynomial positive or negative on the interval $(-\infty, -4)$?

$(x + 4)(x + 1)$

A	Negative
B	Positive

7

Is this polynomial positive or negative on the interval $(-\infty, -1)$?

$(x + 1)x$

A	Negative
B	Positive

8

Is this polynomial positive or negative on the interval $(2, \infty)$?

$(x + 2)(x - 2)$

A	Positive
B	Negative