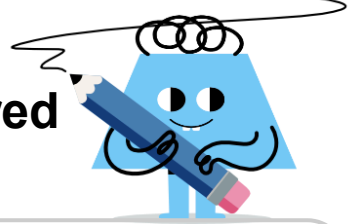
Name

Rational Function Inequalities - Factored Quadratic over Binomial - Sign in an interval



1

$$\frac{(x+4)(x-3)}{x+3}$$

Is this rational function positive or negative on the interval (3, ∞)?

A	Positive
B	Negative

2

$$\frac{(x+1)x}{x}$$

Is this rational function positive or negative on the interval (-1, ∞)?

A	Positive
B	Negative

3

$$\frac{(x+4)(x-4)}{x+2}$$

Is this rational function positive or negative on the interval (-2, 4)?

A	Negative
B	Positive

4

$$\frac{(x-1)(x-3)}{x-4}$$

Is this rational function positive or negative on the interval (3, 4)?

A	Negative
B	Positive

5

$$\frac{x(x-1)}{x-1}$$

Is this rational function positive or negative on the interval (-∞, 0)?

A	Negative
B	Positive

6

$$\frac{(x+3)(x+2)}{x-4}$$

Is this rational function positive or negative on the interval (-∞, -3)?

A	Negative
B	Positive

7

$$\frac{(x+4)(x-3)}{x-4}$$

Is this rational function positive or negative on the interval (3, 4)?

A	Positive
B	Negative

8

$$\frac{x(x-2)}{x}$$

Is this rational function positive or negative on the interval (-∞, 2)?

A	Negative
B	Positive