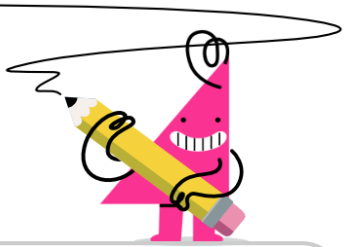
Name



Rational Function Inequalities - Three Factors over Binomial - Sign in an interval

1

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

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

A	Negative
B	Positive

2

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

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

A	Negative
B	Positive

3

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

Is this rational function positive or negative on the interval (-1, 0)?

A	Negative
B	Positive

4

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

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

A	Negative
B	Positive

5

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

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

A	Negative
B	Positive

6

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

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

A	Positive
B	Negative

7

$$\frac{(x+3)(x+2)(x-4)}{x-1}$$

Is this rational function positive or negative on the interval (-2, 1)?

A	Negative
B	Positive

8

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

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

A	Positive
B	Negative