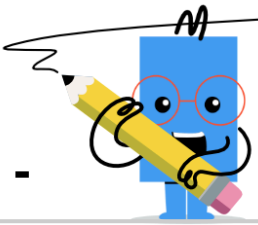
Name

Rational Function Inequalities - Two Factors with Multiplicity over Binomial - Sign in an Interval



1

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

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

A	B
Positive	Negative

2

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

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

A	B
Negative	Positive

3

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

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

A	B
Negative	Positive

4

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

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

A	B
Negative	Positive

5

$$\frac{(x+4)^5x^2}{x+1}$$

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

A	B
Positive	Negative

6

$$\frac{(x+4)^5(x-1)^4}{x}$$

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

A	B
Positive	Negative

7

$$\frac{(x+2)^5(x-3)^2}{x-4}$$

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

A	B
Positive	Negative

8

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

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

A	B
Negative	Positive