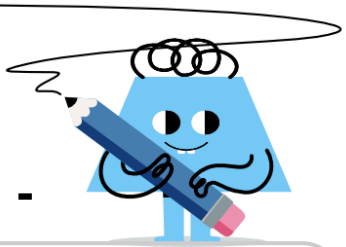
Name

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



1

$$\frac{(x+2)^2(x+1)^2(x-3)^5}{x}$$

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

A Negative

B Positive

2

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

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

A Positive

B Negative

3

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

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

A Negative

B Positive

4

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

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

A Positive

B Negative

5

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

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

A Negative

B Positive

6

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

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

A Negative

B Positive

7

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

Is this rational function positive or negative on the interval (-3, 2)?

A Positive

B Negative

8

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

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

A Negative

B Positive