Name

Rational Function Inequalities - Two Factors with Multiplicity over Binomial - Sign Change at a Point

1

Does the sign of this rational function change at x = 3?

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

A	B
Yes	No

2

Does the sign of this rational function change at x = 2?

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

A	B
No	Yes

3

Does the sign of this rational function change at x = -2?

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

A	B
No	Yes

4

Does the sign of this rational function change at x = 3?

$$\frac{(x+1)^4(x-3)^5}{x}$$

A	B
Yes	No

5

Does the sign of this rational function change at x = 1?

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

A	B
No	Yes

6

Does the sign of this rational function change at x = 2?

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

A	B
No	Yes

7

Does the sign of this rational function change at x = -3?

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

A	B
No	Yes

8

Does the sign of this rational function change at x = 0?

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

A	B
Yes	No