Name

Polynomial Inequalities - Two Factors with Multiplicity - Sign in an Interval

1

$(x+2)^4(x-1)$

Is this polynomial positive or negative on the interval (1, ∞)?

A Positive

B Negative

2

$(x+4)^2(x+1)^5$

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

A Positive

B Negative

3

$(x+1)^3(x-1)^4$

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

A Positive

B Negative

4

$x^4(x-3)^3$

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

A Negative

B Positive

5

$(x-1)^4(x-2)$

Is this polynomial positive or negative on the interval (2, ∞)?

A Positive

B Negative

6

$(x-2)^4(x-4)^5$

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

A Negative

B Positive

7

$(x+1)^4x^3$

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

A Negative

B Positive

8

$(x+1)^4(x-3)^5$

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

A Negative

B Positive