



Polynomial Inequalities - Two Factors with Multiplicity - Sign Change at a Point

1

Does the sign of this polynomial change at $x = -4$?

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

A

B

Yes

No

2

Does the sign of this polynomial change at $x = -3$?

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

A

B

No

Yes

3

Does the sign of this polynomial change at $x = -2$?

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

A

B

No

Yes

4

Does the sign of this polynomial change at $x = 2$?

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

A

B

Yes

No

5

Does the sign of this polynomial change at $x = 2$?

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

A

B

Yes

No

6

Does the sign of this polynomial change at $x = 0$?

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

A

B

No

Yes

7

Does the sign of this polynomial change at $x = -2$?

$$(x + 2)^4(x + 1)^3$$

A

B

No

Yes

8

Does the sign of this polynomial change at $x = 4$?

$$(x - 1)^2(x - 4)^3$$

A

B

Yes

No