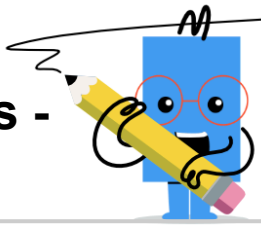
Name

Polynomial Inequalities - Three Factors - Sign in an Interval



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

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

A	B
Positive	Negative

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

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

A	B
Positive	Negative

3 Is this polynomial positive or negative on the interval (2, 3)?

$$(x+3)(x-2)(x-3)$$

A	B
Positive	Negative

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

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

A	B
Negative	Positive

5 Is this polynomial positive or negative on the interval (-2, 0)?

$$(x+2)x(x-3)$$

A	B
Positive	Negative

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

$$x(x-2)(x-3)$$

A	B
Positive	Negative

7 Is this polynomial positive or negative on the interval (-1, 3)?

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

A	B
Negative	Positive

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

$$(x+3)(x+2)(x-2)$$

A	B
Negative	Positive