



Rational Function Inequalities - Expanded Quadratic over Binomial - Sign Chart

1 Which sign chart correctly shows the sign of this rational function on each interval?

$$\frac{x^2 + x - 12}{x - 2}$$

Interval	Sign
(-7, -4)	-
(-4, -2)	+
(-2, 3)	-
(3, 7)	+

Interval	Sign
(-7, -4)	+
(-4, -2)	-
(-2, 2)	+
(2, 3)	-
(3, 7)	+

Interval	Sign
(-7, -4)	+
(-4, -2)	-
(-2, 2)	+
(2, 3)	-
(3, 7)	+

Interval	Sign
(-7, -4)	+
(-4, 2)	-
(2, 3)	+
(3, 7)	-

2 Which sign chart correctly shows the sign of this rational function on each interval?

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

Interval	Sign
(-7, -3)	+
(-3, -2)	-
(-2, 0)	+
(0, 1)	-
(1, 7)	+

Interval	Sign
(-7, -4)	+
(-4, -3)	-
(-3, 0)	+
(0, 1)	-
(1, 7)	+

Interval	Sign
(-7, -3)	-
(-3, 0)	+
(0, 1)	-
(1, 7)	+

Interval	Sign
(-7, -3)	+
(-3, 0)	-
(0, 1)	+
(1, 7)	-

3 Which sign chart correctly shows the sign of this rational function on each interval?

$$\frac{x^2 + 2x}{x - 1}$$

Interval	Sign
(-7, -2)	-
(-2, 0)	+
(0, 1)	-
(1, 7)	+

Interval	Sign
(-7, -3)	+
(-3, -2)	-
(-2, 0)	+
(0, 1)	-
(1, 7)	+

Interval	Sign
(-7, -2)	+
(-2, 0)	-
(0, 1)	+
(1, 7)	-

Interval	Sign
(-7, -4)	+
(-4, -2)	-
(-2, 0)	+
(0, 1)	-
(1, 7)	+

4 Which sign chart correctly shows the sign of this rational function on each interval?

$$\frac{x^2 + 5x + 6}{x - 4}$$

Interval	Sign
(-7, -4)	+
(-4, -3)	-
(-3, -2)	+
(-2, 4)	-
(4, 7)	+

Interval	Sign
(-7, -3)	+
(-3, -2)	-
(-2, 4)	+
(4, 7)	-

Interval	Sign
(-7, -3)	-
(-3, -2)	+
(-2, 4)	-
(4, 7)	+

Interval	Sign
(-7, -3)	+
(-3, -2)	-
(-2, -1)	+
(-1, 4)	-
(4, 7)	+

5 Which sign chart correctly shows the sign of this rational function on each interval?

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

Interval	Sign
(-7, -4)	+
(-4, -3)	-
(-3, -1)	+
(-1, 1)	-
(1, 7)	+

Interval	Sign
(-7, -3)	-
(-3, -1)	+
(-1, 1)	-
(1, 7)	+

Interval	Sign
(-7, -3)	+
(-3, -2)	-
(-2, -1)	+
(-1, 1)	-
(1, 7)	+

Interval	Sign
(-7, -3)	+
(-3, -1)	-
(-1, 1)	+
(1, 7)	-

6 Which sign chart correctly shows the sign of this rational function on each interval?

$$\frac{x^2 - x - 12}{x + 1}$$

Interval	Sign
(-7, -3)	+
(-3, -1)	-
(-1, 4)	+
(4, 7)	-

Interval	Sign
(-7, -3)	-
(-3, -1)	+
(-1, 4)	-
(4, 7)	+

Interval	Sign
(-7, -4)	+
(-4, -3)	-
(-3, -1)	+
(-1, 4)	-
(4, 7)	+

Interval	Sign
(-7, -3)	+
(-3, -2)	-
(-2, -1)	+
(-1, 4)	-
(4, 7)	+

7 Which sign chart correctly shows the sign of this rational function on each interval?

$$\frac{x^2 - 6x + 8}{x}$$

Interval	Sign
(-7, -4)	+
(-4, 0)	-
(0, 2)	+
(2, 4)	-
(4, 7)	+

Interval	Sign
(-7, -3)	+
(-3, 0)	-
(0, 2)	+
(2, 4)	-
(4, 7)	+

Interval	Sign
(-7, 0)	-
(0, 2)	+
(2, 4)	-
(4, 7)	+

Interval	Sign
(-7, 0)	+
(0, 2)	-
(2, 4)	+
(4, 7)	-

8 Which sign chart correctly shows the sign of this rational function on each interval?

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

Interval	Sign
(-7, -4)	+
(-4, 3)	-
(3, 7)	+

Interval	Sign
(-7, 3)	-
(3, 7)	+

Interval	Sign
(-7, 1)	+
(1, 3)	-
(3, 7)	+

Interval	Sign
(-7, 3)	+
(3, 7)	-