

Solving quadratic inequalities with one variable

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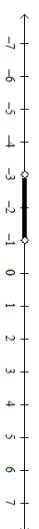
Find zeros which are

Input values other than the critical values back into



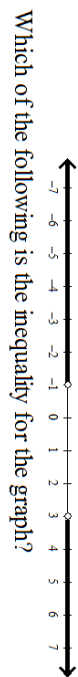
Which of the following is the inequality for the graph?

- a. $(x+2)(x+3) > 0$
- b. $(x+2)(x-3) > 0$
- c. $(x-2)(x-3) > 0$
- d. $(x-2)(x+3) > 0$



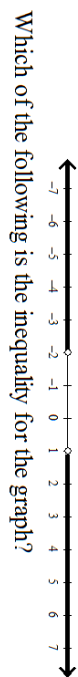
Which of the following is the inequality for the graph?

- a. $-x^2 - 4x - 3 > 0$
- b. $-x^2 + 4x + 3 > 0$
- c. $x^2 + 4x - 3 > 0$
- d. $x^2 + 4x + 3 > 0$



Which of the following is the inequality for the graph?

- a. $x^2 - 2x + 14 < 11$
- b. $x^2 - 2x - 14 < 11$
- c. $-x^2 + 2x + 14 < 11$
- d. $-x^2 - 2x - 14 < 11$



Which of the following is the inequality for the graph?

- a. $-x^2 - 10x + 18 > 9x + 20$
- b. $x^2 - 10x - 18 > 9x + 20$
- c. $x^2 + 10x + 18 > 9x + 20$
- d. $-x^2 - 10x - 18 > 9x + 20$



Which two of the following are inequalities for the graph?

- a. $(x+3)(x+4) < 0$
- b. $x^2 - 7x - 12 < 0$
- c. $x^2 + 7x + 12 < 0$
- d. $(x-3)(x-4) < 0$



Which two of the following are inequalities for the graph?

- a. $(x-3)(x-4) > 0$
- b. $(x+3)(x+4) > 0$
- c. $x^2 + 7x + 8 > -4$
- d. $x^2 - 7x - 8 > -4$