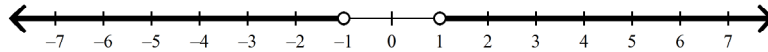


Graph Quadratic Inequalities on a number line**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

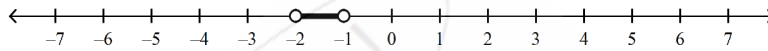
____ 1.



Which of the following is the inequality for the graph?

- | | |
|----------------------|----------------------|
| a. $-(x-1)(x+1) < 0$ | c. $-(x+1)(x-1) < 0$ |
| b. $-(x+1)(x+1) < 0$ | d. $-(x-1)(x-1) < 0$ |

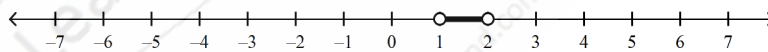
____ 2.



Which of the following is the inequality for the graph?

- | | |
|------------------------|-----------------------|
| a. $-x^2 - 3x - 2 < 0$ | c. $x^2 - 3x - 2 < 0$ |
| b. $-x^2 - 3x + 2 < 0$ | d. $x^2 + 3x + 2 < 0$ |

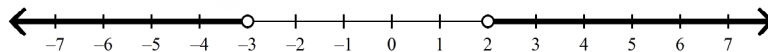
____ 3.



Which of the following is the inequality for the graph?

- | | |
|-------------------------|------------------------|
| a. $-x^2 - 3x - 9 > 11$ | c. $x^2 - 3x + 9 > 11$ |
| b. $-x^2 + 3x + 9 > 11$ | d. $x^2 - 3x - 9 > 11$ |

____ 4.



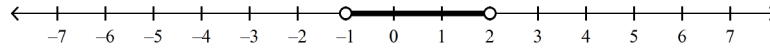
Which of the following is the inequality for the graph?

- | | |
|------------------------------|-------------------------------|
| a. $x^2 + 4x - 22 > 3x - 16$ | c. $-x^2 - 4x + 22 > 3x - 16$ |
| b. $x^2 - 4x + 22 > 3x - 16$ | d. $-x^2 - 4x - 22 > 3x - 16$ |

Multiple Response

Identify one or more choices that best complete the statement or answer the question.

_____ 5.



Which two of the following are inequalities for the graph?

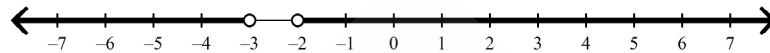
a. $(x+2)(x-1) < 0$

c. $(x-2)(x+1) < 0$

b. $x^2 - 1x - 2 < 0$

d. $x^2 + 1x + 2 < 0$

_____ 6.



Which two of the following are inequalities for the graph?

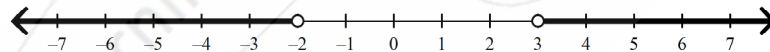
a. $(x-3)(x-2) > 0$

c. $x^2 - 5x - 19 > 13$

b. $x^2 + 5x + 19 > 13$

d. $(x+3)(x+2) > 0$

_____ 7.



Which two of the following are inequalities for the graph?

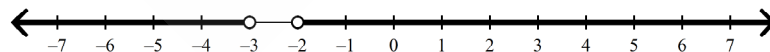
a. $-(x+3)(x-2) < 0$

c. $-x^2 - 10x + 0 < 9x - 6$

b. $-x^2 + 10x + 0 < 9x - 6$

d. $-(x-3)(x+2) < 0$

_____ 8.



Which two of the following are inequalities for the graph?

a. $-(x+3)(x+2) < 0$

c. $-x^2 + 0x - 3 < 5x + 9$

b. $-x^2 + 0x + 3 < 5x + 9$

d. $-(x-3)(x-2) < 0$

Graph Quadratic Inequalities on a number line

Answer Section

MULTIPLE CHOICE

1. ANS: C
2. ANS: D
3. ANS: B
4. ANS: A

MULTIPLE RESPONSE

5. ANS: B, C
6. ANS: B, D
7. ANS: B, D
8. ANS: A, B

