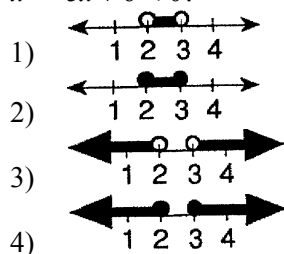
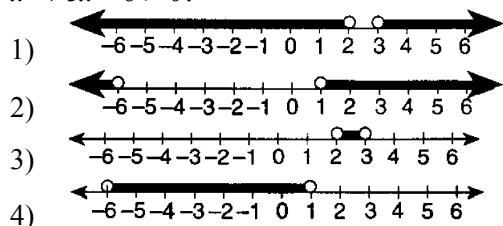


**A2.A.4: Quadratic Inequalities 3: Solve quadratic inequalities in one and two variables, algebraically and graphically**

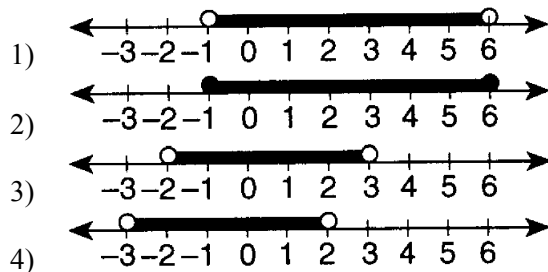
- 1 Which graph represents the solution set of  $x^2 - 5x + 6 < 0$ ?



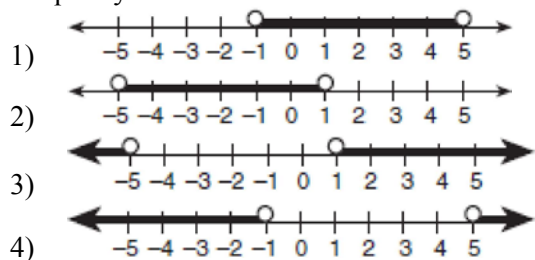
- 2 Which graph represents the solution set of  $x^2 + 5x - 6 > 0$ ?



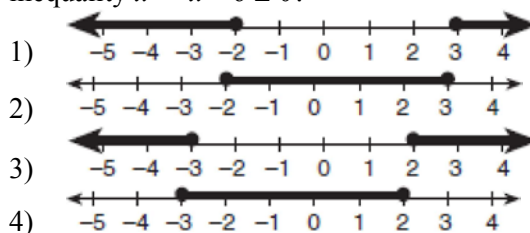
- 3 Which graph represents the inequality  $x^2 - 5x - 6 < 0$ ?



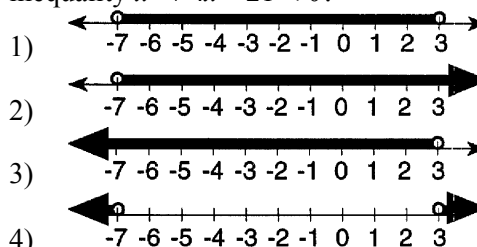
- 4 Which graph represents the solution set of the inequality  $x^2 - 4x - 5 < 0$ ?



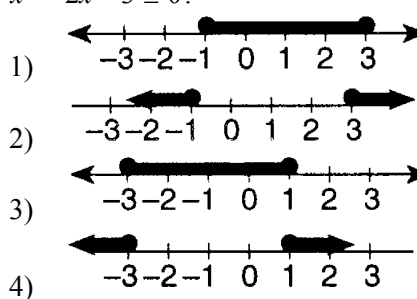
- 5 Which graph represents the solution of the inequality  $x^2 - x - 6 \geq 0$ ?



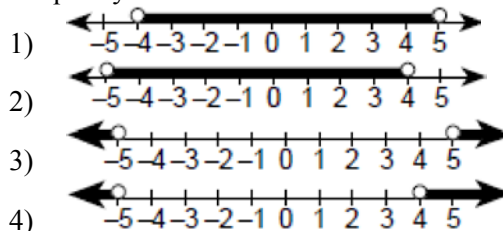
- 6 Which graph represents the solution of the inequality  $x^2 + 4x - 21 < 0$ ?



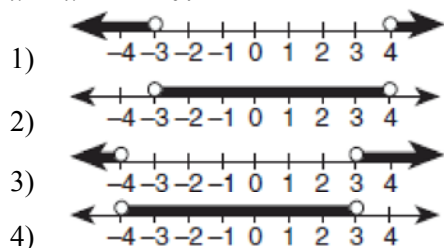
- 7 What is the solution set for the inequality  $x^2 - 2x - 3 \leq 0$ ?



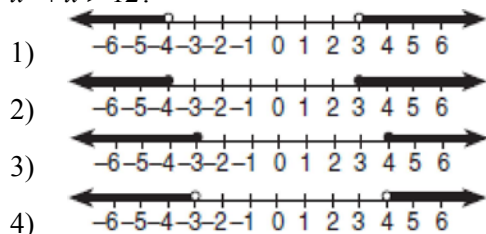
- 8 Which graph represents the solution set for the inequality  $x^2 - x - 20 < 0$ ?



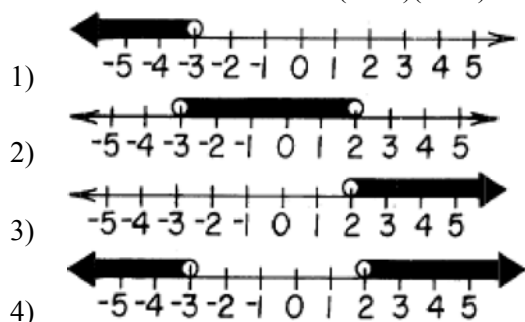
- 9 Which graph represents the solution set of  $x^2 - x - 12 < 0$ ?



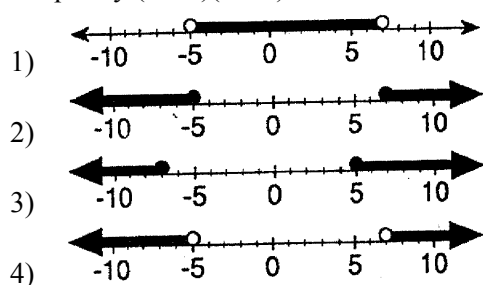
- 10 Which graph represents the solution set for  $x^2 + x > 12$ ?



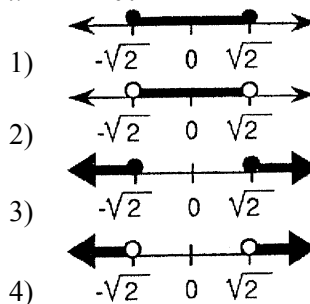
- 11 What is the solution set for  $(x + 3)(x - 2) > 0$ ?



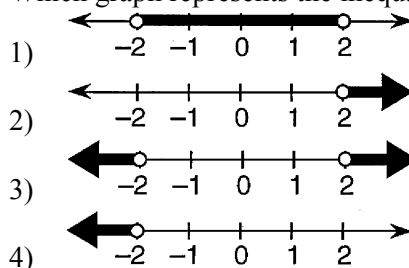
- 12 Which the graph of the solution set of the inequality  $(x - 7)(x + 5) \geq 0$ ?



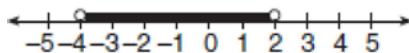
- 13 Which graph represents the solution set of  $x^2 - 2 \geq 0$ ?



- 14 Which graph represents the inequality  $x^2 - 4 > 0$ ?



- 15 The graph below represents the solution set of which inequality?



- 1)  $x^2 - 2x - 8 < 0$
- 2)  $x^2 + 2x - 8 < 0$
- 3)  $x^2 - 2x - 8 > 0$
- 4)  $x^2 + 2x - 8 > 0$

- 16 Which inequality is represented by the graph below?



- 1)  $x^2 - 2x - 15 > 0$
- 2)  $x^2 - 2x - 15 < 0$
- 3)  $x^2 - 2x - 15 \leq 0$
- 4)  $x^2 + 2x - 15 < 0$

**A2.A.4: Quadratic Inequalities 3: Solve quadratic inequalities in one and two variables, algebraically and graphically****Answer Section**

1	ANS: 1	REF: 089526siii
2	ANS: 2	REF: 069826siii
3	ANS: 1	REF: 069918siii
4	ANS: 1	REF: 010509b
5	ANS: 1	REF: 080326siii
6	ANS: 1	REF: 069630siii
7	ANS: 1	REF: 089926siii
8	ANS: 1	REF: 060021siii
9	ANS: 2	REF: 010318b
10	ANS: 1	REF: 080125siii
11	ANS: 4	REF: 068531siii
12	ANS: 2	REF: 089418siii
13	ANS: 4	REF: 019422siii
14	ANS: 3	REF: 089631siii
15	ANS: 2	REF: 010335siii
16	ANS: 2	REF: 060332siii