



Polynomial Inequalities - Expanded Quadratic - Solution Set

1 Which set of values satisfies this inequality? $x^2 + 3x - 4 < 0$		2 Which set of values satisfies this inequality? $x^2 - 2x - 3 < 0$	
A $(-\infty, -4) \cup (1, \infty)$	B $(-\infty, -4) \cup (-3, 1)$	A $(-1, 3)$	B $(-\infty, -1) \cup (3, \infty)$
C $(-4, 1)$	D $(-\infty, -4) \cup (-4, 1) \cup (1, \infty)$	C $(-\infty, -4) \cup (-1, 3)$	D $(-\infty, -1) \cup (-1, 3) \cup (3, \infty)$
3 Which set of values satisfies this inequality? $x^2 + 6x + 8 < 0$		4 Which set of values satisfies this inequality? $x^2 - 2x - 8 < 0$	
A $(-4, -2)$	B $(-\infty, -4) \cup (-4, -2) \cup (-2, \infty)$	A $(-\infty, -4) \cup (-2, 4)$	B $(-\infty, -2) \cup (-2, 4) \cup (4, \infty)$
C $(-\infty, -4) \cup (-3, -2)$	D $(-\infty, -4) \cup (-2, \infty)$	C $(-\infty, -2) \cup (4, \infty)$	D $(-2, 4)$
5 Which set of values satisfies this inequality? $x^2 - 2x - 3 > 0$		6 Which set of values satisfies this inequality? $x^2 + 2x - 8 < 0$	
A $(-1, 3)$	B $(-\infty, -1) \cup (-1, 3) \cup (3, \infty)$	A $(-\infty, -4) \cup (-4, 2) \cup (2, \infty)$	B $(-\infty, -4) \cup (-3, 2)$
C $(-\infty, -1) \cup (3, \infty)$	D $(-4, -1) \cup (3, \infty)$	C $(-\infty, -4) \cup (2, \infty)$	D $(-4, 2)$
7 Which set of values satisfies this inequality? $x^2 - x > 0$		8 Which set of values satisfies this inequality? $x^2 + 2x < 0$	
A $(-\infty, 0) \cup (1, \infty)$	B $(-4, 0) \cup (1, \infty)$	A $(-\infty, -4) \cup (-2, 0)$	B $(-2, 0)$
C $(0, 1)$	D $(-\infty, 0) \cup (0, 1) \cup (1, \infty)$	C $(-\infty, -2) \cup (-2, 0) \cup (0, \infty)$	D $(-\infty, -2) \cup (0, \infty)$