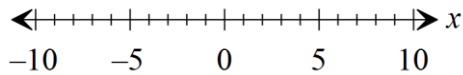


Name: _____ Period: _____

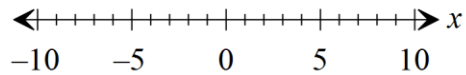
7.7 Solving Quadratic Inequalities

Solve each inequality. Graph the answer on the number line. Write answer in interval notation.

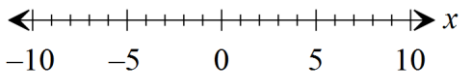
1. $(x-6)(x-5) > 0$



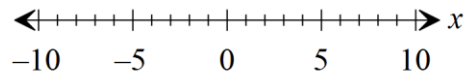
2. $(x+8)(x+10) < 0$



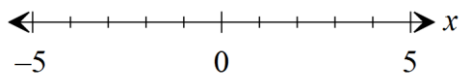
3. $(x+7)(x-2) \leq 0$



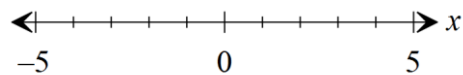
4. $(x-1)(x+5) \geq 0$



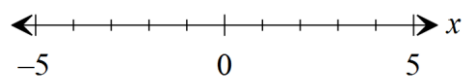
5. $x^2 + x - 2 < 0$



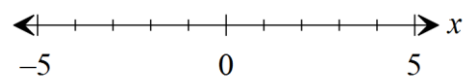
6. $x^2 - 3x - 4 > 0$



7. $x^2 - 2x \geq 0$

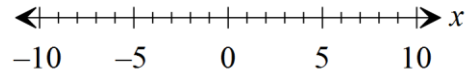
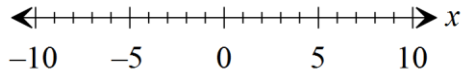


8. $x^2 - 9 \leq 0$



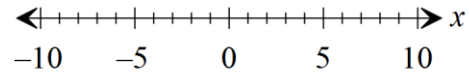
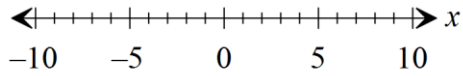
9. $x^2 > 25$

10. $x^2 < -6x$



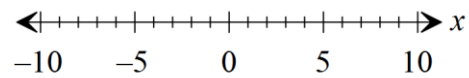
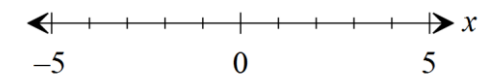
11. $x^2 + 3x \leq 28$

12. $x^2 - 24 \geq -2x$



13. $x^2 - 3 < 2x$

14. $x^2 + 5x \leq 6$



15. $x^2 + 6x + 9 \geq 0$

16. $x^2 - 4x + 5 < 0$
 (Hint: the zeros are imaginary. Draw the graph.)

