9T3-04 Number _____ Name _____ Period _____ Score _____

Graph the following inequalities on the coordinate plane. Name one point that is a solution to the inequality and one point that is not a solution. Show algebraically and graphically that your points are correct.

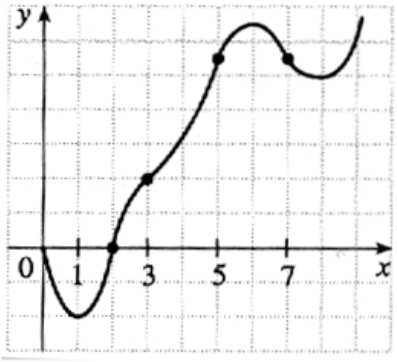
1. $y \leq 3x + 4$

2. $y < 7x - 2$

3. $y > \frac{-3}{5}x + 2$

4. $y \geq -6$

Identify all eight features of this function.



5) Domain:

6) Range:

7) Increasing:

8) Decreasing:

9) x-intercept(s):

10) y-intercept(s):

11) Maximum:

12) Minimum:

13) Solve for x: $4(2x + 3) = -2(2x - 7)$