

NAME: _____ Score _____/10

Please **print** your name**SHOW ALL YOUR WORK IN A NEAT AND ORGANIZED FASHION**

1. The boundary equation associated with the inequality $|2x - 5| < 7$ is _____.
2. The boundary equation associated with the inequality $5x - 4y > 7$ is _____.
3. The boundary equation associated with the inequality $x^2 - y^2 < 16$ is _____.
4. The boundary equation associated with the inequality $3x - 5 > 4$ is _____.
5. The solution set for the inequality $|3x + 8| < -3$ is _____.
6. The solution set for a particular inequality $|mx + b| < k$ is the interval (p, q) , what is the solution set for the equation $|mx + b| = k$? _____.
7. The inequality $|3x - 7| < 4$ is equivalent to the compact compound inequality _____.
8. T F The graph of $3x + 2y = 6$ is a line.
9. T F The graph of $|3x + 2| = 1$ is a line.
10. T F A solution for a linear equation in two variables is a number.