

NAME: _____ Score _____/10
Please **print** your name

1. Solve $4x - 2 > 8x + 1$.

Write your answer using set-builder notation.

Write your answer using interval notation.

Sketch the graph of $4x - 2 > 8x + 1$.

2. Consider $|3x - 4| < 6$.

Write this inequality as an equivalent compound inequality and solve the compound inequality.

Write your answer using set-builder notation.

Write your answer using interval notation.

Sketch the graph of $|3x - 4| < 6$.

3. Write the Law of Trichotomy.