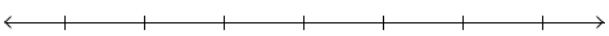
Solving Inequalities 2

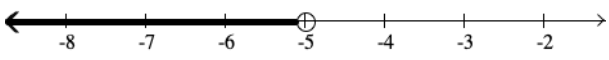
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the inequality. Graph the solution on a number line and represent the solution in interval notation when possible.

1) $8x - 6 > 7x - 11$ 1) _____

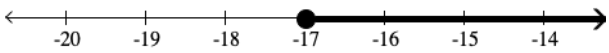


A) $x < -5$



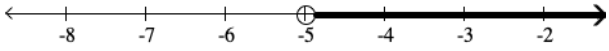
$(-\infty, -5)$

B) $x \geq -17$



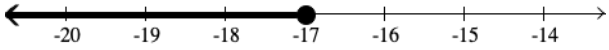
$[-17, \infty)$

C) $x > -5$



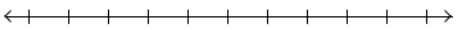
$(-5, \infty)$

D) $x \leq -17$

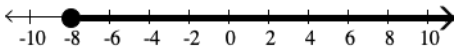


$(-\infty, -17]$

2) $10x - 5 \leq 4x - 13$ 2) _____

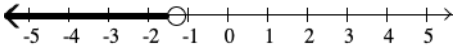


A) $x \geq -8$



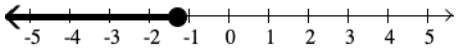
$[-8, \infty)$

B) $x < -\frac{4}{3}$



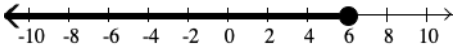
$\left(-\infty, -\frac{4}{3}\right)$

C) $x \leq -\frac{4}{3}$



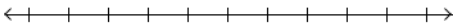
$\left(-\infty, -\frac{4}{3}\right]$

D) $x \leq 6$

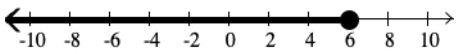


$(-\infty, 6]$

3) $8x - 8 \leq 2x - 13$ 3) _____

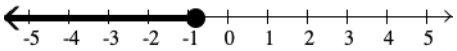


A) $x \leq 6$



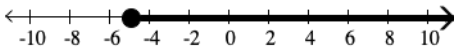
$(-\infty, 6]$

B) $x \leq -\frac{5}{6}$



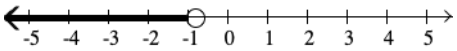
$\left(-\infty, -\frac{5}{6}\right]$

C) $x \geq -5$



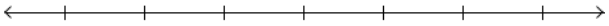
$[-5, \infty)$

D) $x < -\frac{5}{6}$

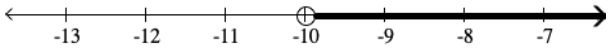


$\left(-\infty, -\frac{5}{6}\right)$

4) $10 - 10x + 2 \geq -11x + 7$ 4) _____

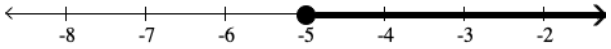


A) $x > -10$



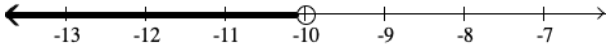
$(-10, \infty)$

B) $x \geq -5$



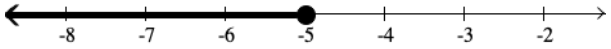
$[-5, \infty)$

C) $x < -10$



$(-\infty, -10)$

D) $x \leq -5$



$(-\infty, -5]$

Answer Key
Testname: SOLVING INEQUALITIES 2

1) C
2) C
3) B
4) B