

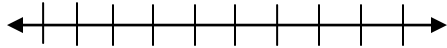
Solving Inequalities

Name \_\_\_\_\_

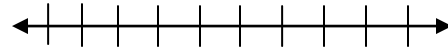
For each problem determine which of the numbers in the brackets make the inequality true. On the number line put a circle on those that are true and an x for those that are false.

1)  $2x - 3 > 4$   $\{-2, 0, 3, 4, 5\}$

2)  $2 + 3x \leq 10$   $\{0, 2, 4, 6, 8\}$



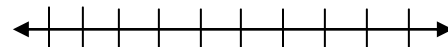
3)  $8 < 3x - 10$   $\{2, 5, 6, 7, 10\}$



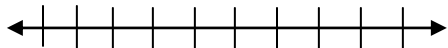
4)  $5y + 11 \geq 1$   $\{-5, -3, -2, 0, 3\}$



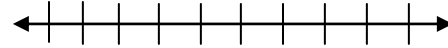
5)  $7x + 5 < -16$   $\{-8, -6, -4, -2, 0\}$



6)  $2y - 10 > 5$   $\{0, 1, 2, 3, 4\}$



7)  $11x - 10 \geq -21$   $\{-5, -4, -3, -2, -1\}$



8)  $5 > 11 + 3z$   $\{-4, -3, -2, -1, 0\}$

