

2.3 Solving Inequalities

Name: _____

Corrective Assignment

Directions: Solve each inequality. Express the solution graphically and in set notation.

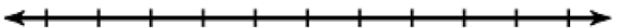
1) $7x + 6 \leq -134$



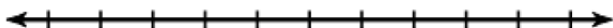
2) $-2(-6 + x) < 32$



3) $-5.7(-9.1 + n) > 47.88$



4) $0 > 8a + 3a$



5) $-5(r - 2) \geq 7r - 38$



6) $4(1 + x) > -x + 29$



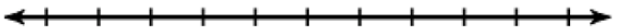
7) $-3(g - 3) > -42$



8) $7 \leq 7 + \frac{x}{9}$



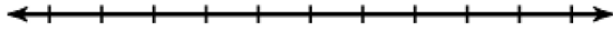
9) $13 \leq 3n + 4 + 6n$



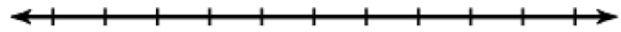
10) $m + 4.4 + 8 > 15.4$



$$11) 4(4 + 2x) + 5x \leq 40 + 5x$$



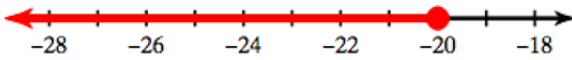
$$12) -2w - 8 \leq -5(w - 2)$$



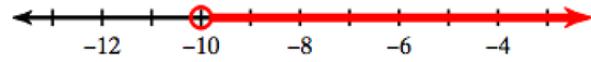
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CA Solutions

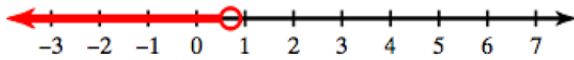
$$1) \{x \text{ real} | x \leq -20\}$$



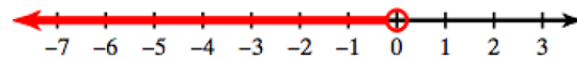
$$2) \{x \text{ real} | x > -10\}$$



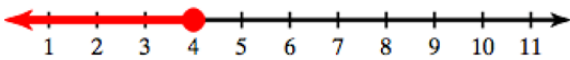
$$3) \{n \text{ real} | n < 0.7\}$$



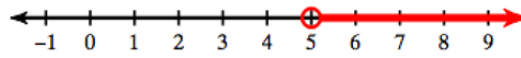
$$4) \{a \text{ real} | a < 0\}$$



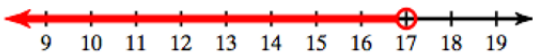
$$5) \{r \text{ real} | r \leq 4\}$$



$$6) \{x \text{ real} | x > 5\}$$



$$7) \{g \text{ real} | g < 17\}$$



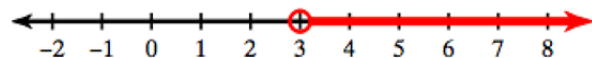
$$8) \{x \text{ real} | x \geq 0\}$$



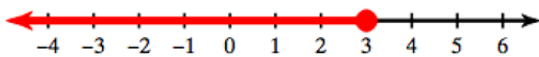
$$9) \{n \text{ real} | n \geq 1\}$$



$$10) \{m \text{ real} | m > 3\}$$



$$11) \{x \text{ real} | x \leq 3\}$$



$$12) \{w \text{ real} | w \leq 6\}$$

