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# Compound Inequalities

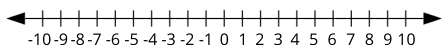
## Practice Worksheet A

### 1 Practice Problems

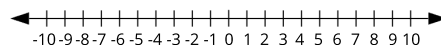
Solve each inequality then graph the solution set on the number line.

1)  $-8 < 2x < 10$

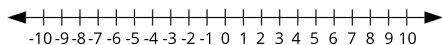
5)  $-7 < 3x - 4 \leq 5$



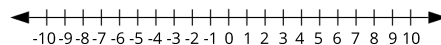
2)  $-6 \leq x - 1 \leq 7$



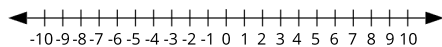
6)  $8x + 19 < -21$  or  $7x + 13 \geq 34$



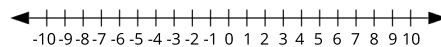
3)  $x + 6 \leq 4$  or  $x - 5 \geq 3$



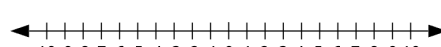
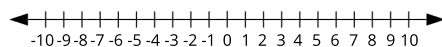
7)  $27 \leq 8x - 5 < 51$



4)  $x + 9 < 2$  or  $x - 4 > 2$



8)  $2x + 7 \leq -3$  or  $3x - 1 \geq 5$



# Compound Inequalities

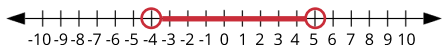
## Practice Worksheet A

### 1 Practice Problems

Solve each inequality then graph the solution set on the number line.

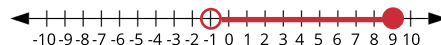
1)  $-8 < 2x < 10$

$-4 < x < 5$



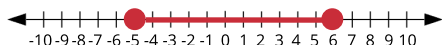
5)  $-7 < 3x - 4 \leq 5$

$-1 < x \leq 9$



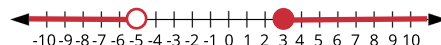
2)  $-6 \leq x - 1 \leq 7$

$-5 \leq x \leq 6$



6)  $8x + 19 < -21$  or  $7x + 13 \geq 34$

$x < -5$  or  $x \geq 3$



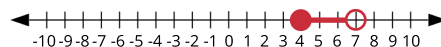
3)  $x + 5 \leq 4$  or  $x - 6 \geq 3$

$x \leq 1$  or  $x \geq 9$



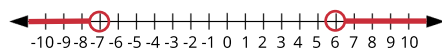
7)  $27 \leq 8x - 5 < 51$

$4 \leq x < 7$



4)  $x + 9 < 2$  or  $x - 4 > 2$

$x < -7$  or  $x > 6$



8)  $2x + 7 \leq -3$  or  $3x - 1 \geq 5$

$x \leq -5$  or  $x \geq 2$

