

Name \_\_\_\_\_

Date \_\_\_\_\_

## Let's Practice!...Solving &amp; Graphing Compound Inequalities

**1**  $54 > 9x > 18$



**2**  $4 - x \geq -5$  and  $8 + 10x > -22$



**3**  $10x + 8 \leq -32$  or  $7x - 1 \geq 48$



**4**  $5 - 2x < x + 2 \leq 4x - 10$



**5**  $28 \leq 9x - 8 \leq 1$



**6**  $\frac{x}{4} > -1$  or  $-7x \geq -63$


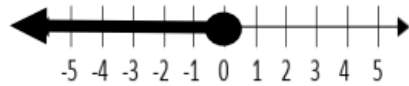



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## Let's Practice!...Writing & Graphing Compound Inequalities

Fill in the missing boxes in the chart.

Inequality	Interval Notation	Graph
① $x > -5$ and $x \leq 2$		
②	$(-\infty, 0) \cup [3, \infty)$	
③		
④ $0 \leq x \leq 3$		
⑤	$[-4, 1)$	
⑥		
⑦ $x \geq 1$ or $x \leq -4$		
⑧		
⑨ $x > -1$ or $x \leq 2$		
⑩	$(-5, 5)$	
⑪	$[-4, \infty)$	
⑫ $x < 4$		
⑬ $x > 1$ and $x \leq -3$		
⑭		