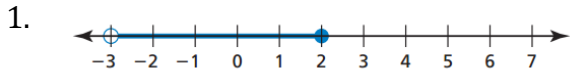
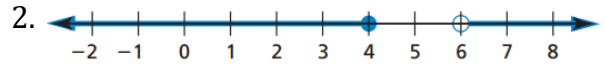


**Unit 2 Pt II - Day 14 Homework  
More Compound Inequalities**

(1-2) Write the compound inequality/interval that is represented by the graph.



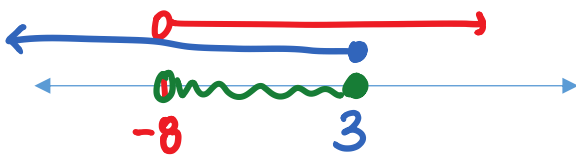
Inequality:  $x > -3$  and  $x \leq 2$   
 $-3 < x \leq 2$



Inequality:  $x \leq 4$  or  $x > 6$

(3-6) Solve the compound inequality. Graph the solution. Write the final answer as an inequality or interval.

3.  $x > -8$  AND  $x \leq 3$



Final Solution:  $-8 < x \leq 3$

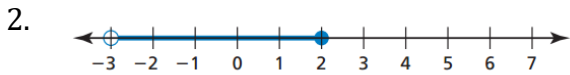
4.  $x \leq -7$  OR  $x > 12$



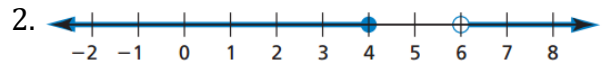
Final Solution:  $x \leq -7$  or  $x > 12$

**Unit 2 Pt II - Day 14 Homework  
More Compound Inequalities**

(1-2) Write the compound inequality/interval that is represented by the graph.



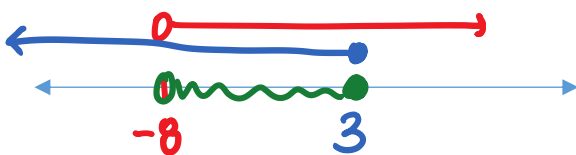
Inequality:  $x > -3$  and  $x \leq 2$   
 $-3 < x \leq 2$



Inequality:  $x \leq 4$  or  $x > 6$

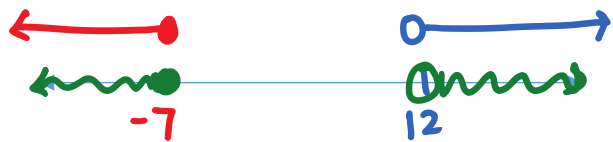
(3-6) Solve the compound inequality. Graph the solution. Write the final answer as an inequality or interval.

4.  $x > -8$  AND  $x \leq 3$



Final Solution:  $-8 < x \leq 3$

4.  $x \leq -7$  OR  $x > 12$



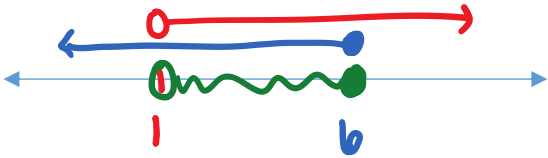
Final Solution:  $x \leq -7$  or  $x > 12$

5.  $x > 1$  AND  $x + 5 \leq 11$   
 $-5$

6.  $x + 8 < 3$  OR  $-8x < -40$   
 $-8$   $-8$   $-8$   $-8$

$$\frac{5}{x \leq 6}$$

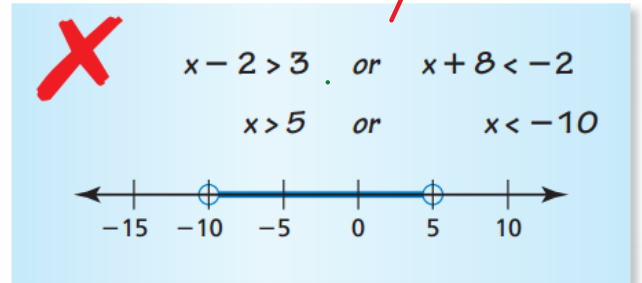
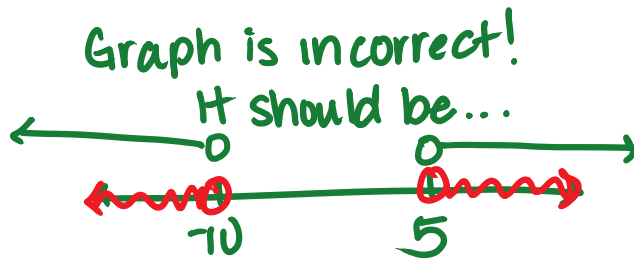
$$\frac{0}{x < -5} \text{ OR } \frac{-8}{x > 5}$$



Final Solution:  $1 < x \leq 6$

Final Solution:  $x < -5$  or  $x > 5$

7. Describe and correct the error made to the right:

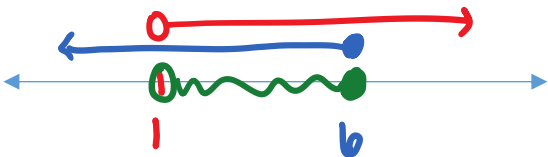


6.  $x > 1$  AND  $x + 5 \leq 11$

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

6.  $x + 8 < 3$  OR  $-8x < -40$

$$\frac{-8}{x < -5} \text{ OR } \frac{-8}{x > 5}$$



Final Solution:  $1 < x \leq 6$

Final Solution:  $x < -5$  or  $x > 5$

8. Describe and correct the error made to the right:

