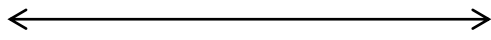


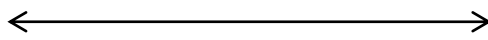
**Corrective Assignment**

**Graph the following compound inequalities.**

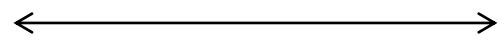
1.  $x \geq 4.5$  or  $x < -5.5$



2.  $y > -\frac{10}{3}$  and  $y \leq \frac{9}{2}$

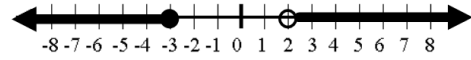


3.  $0 \leq x < 4$

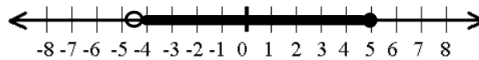


**Write a compound inequality that represents the following.**

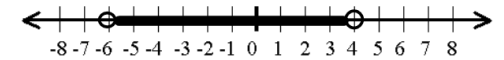
4.



5.

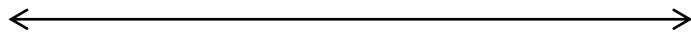


6.

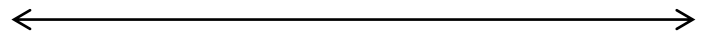


**Solve each inequality and graph its solution.**

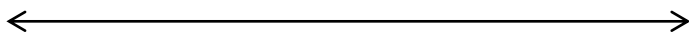
7.  $|2n - 15| < 20$



8.  $|2p - 8| + 4 \geq 12$



9.  $\frac{|2d-1|}{3} < 4$

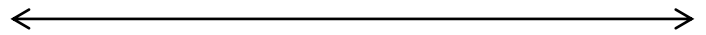
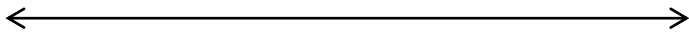


10.  $\frac{2}{5}|2 - 5n| + 4 \geq 16$

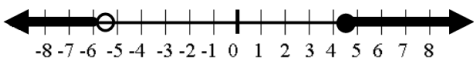
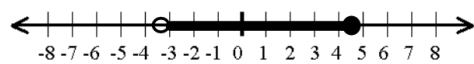
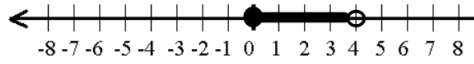
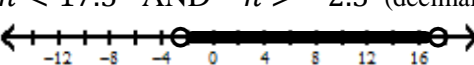
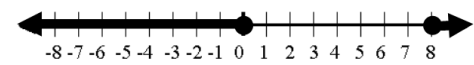
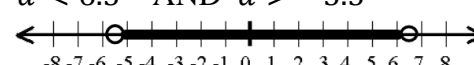
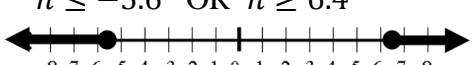



11.  $|2g - 5| - 3 < -7$

12.  $|4x - 3.5| - 2.2 > 6$



## ANSWERS

<p>1. </p>	<p>2. </p>	<p>3. </p>
<p>4. <math>x \leq -3</math> OR <math>x &gt; 2</math></p>	<p>5. <math>-4.5 &lt; x \leq 5</math> or you could write it like <math>x &gt; -4.5</math> AND <math>x \leq 5</math></p>	<p>6. <math>-6 &lt; x &lt; 4</math> or you could write it like <math>x &gt; -6</math> AND <math>x &lt; 4</math></p>
<p>7. <math>n &lt; \frac{35}{2}</math> AND <math>n &gt; -\frac{5}{2}</math> (fraction)  <math>n &lt; 17.5</math> AND <math>n &gt; -2.5</math> (decimal)</p> 	<p>8. <math>p \geq 8</math> OR <math>p \leq 0</math></p> 	<p>9. <math>d &lt; \frac{13}{2}</math> AND <math>d &gt; -\frac{11}{2}</math>  <math>d &lt; 6.5</math> AND <math>d &gt; -5.5</math></p> 
<p>10. <math>n \leq -\frac{28}{5}</math> OR <math>n \geq \frac{32}{5}</math>  <math>n \leq -5.6</math> OR <math>n \geq 6.4</math></p> 	<p>11. No Solution</p> 	<p>12. <math>x &gt; 2.925</math> OR <math>x &lt; -1.175</math></p> 