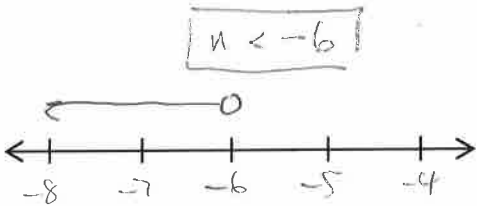
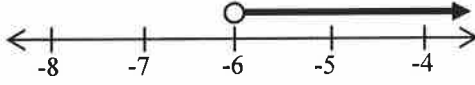
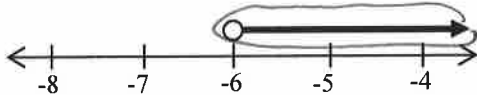
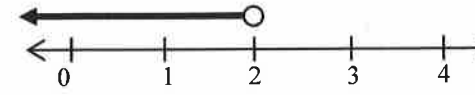


2. In a recent activity, algebra students were asked to solve and graph a complicated inequality. Below is the work for three different students. Each student has made **one** error. **Your job is to:**
- Demonstrate how to solve the problem correctly, showing each step carefully in the space provided below.
 - Circle the **ONE** mistake you find in each student's work. Circle only the first mistake. Be sure that whatever you circle is wrong!
 - Explain clearly what the student did wrong, and what the student should have done instead.

<p style="text-align: center;">Your work:</p> $4(n-3)+8 > 8n-2(n-4)$ 	<p style="text-align: center;">Ariel's work:</p> $4(n-3)+8 > 8n-2(n-4)$ $4n-12+8 > 8n-2n+8$ $4n-4 > 6n+8$ $\begin{array}{r} -6n \quad -6n \\ \hline -2n-4 > 8 \end{array}$ $\begin{array}{r} +4 \quad +4 \\ \hline -2n > 12 \end{array}$ $\frac{-2n}{-2} > \frac{12}{-2}$ $n > -6$  <p>Explanation of error:</p>
<p style="text-align: center;">Barry's work:</p> $4(n-3)+8 > 8n-2(n-4)$ $4n-12+8 > 8n-2n+8$ $4n-4 > 6n+8$ $\begin{array}{r} -4n \quad -4n \\ \hline -4 > 2n+8 \end{array}$ $\begin{array}{r} -8 \quad -8 \\ \hline -12 > 2n \end{array}$ $\frac{-12}{2} > \frac{2n}{2}$ $-6 > n$  <p>Explanation of error:</p>	<p style="text-align: center;">Carlos' work:</p> $4(n-3)+8 > 8n-2(n-4)$ $4n-12+8 > 8n-2n-8$ $4n-4 > 6n-8$ $\begin{array}{r} -4n \quad -4n \\ \hline -4 > 2n-8 \end{array}$ $\begin{array}{r} +8 \quad +8 \\ \hline 4 > 2n \end{array}$ $\frac{4}{2} > \frac{2n}{2}$ $2 > n$  <p>Explanation of error:</p>