Who is right?

Here they go again! This time the problem is:

Factor the expression \( x^2 + 6x - 16 \)

Stefon starts with:

<table>
<thead>
<tr>
<th></th>
<th>( x + 8 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>( x )</td>
<td>( x^2 )</td>
</tr>
<tr>
<td>( \frac{x}{2} )</td>
<td>( -8 )</td>
</tr>
<tr>
<td>(-2\frac{x}{2})</td>
<td>(-16)</td>
</tr>
</tbody>
</table>

Katie starts with:

\[
\begin{array}{c|c}
\times & y \\
-16 & \\
\hline
x & y \\
\end{array}
\]

Miguel starts with:

\[ x^2 + 6x - 16 = 0 \]
\[ (x + ) (x - ) = 0 \]

Who is correct? How do you know?
Who is right?

Here they go again! This time the problem is:

Factor the expression \( x^2 + 6x - 16 \)

Stefon starts with:

\[
\begin{array}{|c|c|}
\hline
x & 8x \\
\hline
x^2 & -2x \\
\hline
-2 & -16 \\
\hline
\end{array}
\]

Katie starts with:

\[
\begin{array}{|c|c|}
\hline
-16 & 6 \\
\hline
8 & -2 \\
\hline
\end{array}
\]

Miguel starts with:

\[
\begin{align*}
x^2 + 6x - 16 &= 0 \\
(x + ) (x - ) &= 0
\end{align*}
\]

Who is correct? How do you know?
**Who is right?**

Here they go again! This time the problem is:

Factor the expression \( x^2 + 6x - 16 \)

Stefon starts with:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>x</td>
<td>( x^2 )</td>
<td>8x</td>
</tr>
<tr>
<td>-2</td>
<td>-2x</td>
<td>-16</td>
</tr>
</tbody>
</table>

Katie starts with:

\[ \begin{array}{c}
-16 \\
\times \\
6 \\
\end{array} \]

Miguel starts with:

\[ x^2 + 6x - 16 = 0 \]

\[ (x + \_)(x - \_) = 0 \]

**Who is correct? How do you know?**
Who is right?

Here they go again! This time the problem is:

Factor the expression $x^2 + 6x - 16$

Stefon starts with:

<table>
<thead>
<tr>
<th></th>
<th>$x$</th>
<th>$x^2$</th>
</tr>
</thead>
<tbody>
<tr>
<td>$x$</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$-16$</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$-16$</td>
<td></td>
</tr>
</tbody>
</table>

Katie starts with:

$-16$  $6$

Miguel starts with:

$x^2 + 6x - 16 = 0$

$(x + \_)(x - \_) = 0$

Who is correct? How do you know?
Who is right?

Here they go again! This time the problem is:

Factor the expression \( x^3 + 6x - 16 \)

Stefon starts with:

\[
\begin{array}{c|c|c}
  x & x^2 & -16 \\
  \\
-16 & 6 & \\
\end{array}
\]

Katie starts with:

Miguel starts with:

\[
(x + \_)(x - \_) = 0
\]

Who is correct? How do you know?
Who is right?

Here they go again! This time the problem is:

Factor the expression $x^2 + 6x - 16$

Stefon starts with: 

\[
\begin{array}{c|c|c}
   x & x^2 & -16 \\
  \hline
   x &  & \\
   & -16 & \\
\end{array}
\]

Katie starts with:

\[
\begin{array}{c|c|c|c|c}
   & x & -16 & 6 \\
  \hline
   x &  &  \\
\end{array}
\]

Miguel starts with:

$x^2 + 6x - 16 = 0$

$(x + \_)(x - \_)= 0$

Who is correct? How do you know?
Who is right?

Here they go again! This time the problem is:

Factor the expression \( x^2 + 6x - 16 \)

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<table>
<thead>
<tr>
<th></th>
<th>( x )</th>
<th>( x^2 )</th>
<th>-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>( x )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Katie starts with:

<table>
<thead>
<tr>
<th>-16</th>
<th>6</th>
</tr>
</thead>
</table>

Miguel starts with:

\( x^2 + 6x - 16 = 0 \)

\((x + \_)(x - \_) = 0\)

Who is correct? How do you know?
Who is right?

Here they go again! This time the problem is:

Factor the expression \( x^2 + 6x - 16 \)

Stefon starts with:

\[
\begin{array}{cc}
  x & x^2 \\
  & -16
\end{array}
\]

Katie starts with:

\[
\begin{array}{cc}
  -16 & 6 \\
  x & (x + \quad)(x - \quad) = 0
\end{array}
\]

Miguel starts with:

\[
\begin{array}{cc}
  x^2 + 6x - 16 = 0 \\
  (x + \quad)(x - \quad) = 0
\end{array}
\]

Who is correct? How do you know?
Who is right?

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Factor the expression \( x^3 + 6x - 16 \)

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</tr>
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<td>x^2</td>
</tr>
<tr>
<td></td>
<td>-16</td>
</tr>
</tbody>
</table>

Katie starts with:

\[ x^3 + 6x - 16 = 0 \]
\[ (x + \ ) (x - \ ) = 0 \]

Miguel starts with:

\[ x^3 + 6x - 16 = 0 \]

Who is correct? How do you know?
Who is right?

Here they go again! This time the problem is:

Factor the expression \( x^2 + 6x - 16 \)

Stefon starts with:

\[
\begin{array}{c|c|c}
  x & -2 \\
  \hline 
  x^2 & -2x \\
  \hline 
  8x & -16 \\
\end{array}
\]

Katie starts with:

\[
\begin{array}{c|c|c}
  \_ & \_ \\
  \hline 
  -16 \cdot 1 \\
  \hline 
  6 \\
\end{array}
\]

Miguel starts with:

\[
\begin{array}{c|c|c}
  \, & \, \\
  \hline 
  x^2 + 6x - 16 = 0 \\
  (x + 8)(x - 2) = 0 \\
  x = 8, x = 2 \\
\end{array}
\]

Who is correct? How do you know?
Who is right?

Here they go again! This time the problem is:

Factor the expression \( x^2 + 6x - 16 \)

Stefon starts with:

\[
\begin{array}{|c|c|c|}
\hline
x & x^2 & -16 \\
\hline
\end{array}
\]

Katie starts with:

\[
\begin{array}{|c|c|c|}
\hline
x & -16 & 6 \\
\hline
\end{array}
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Miguel starts with:

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Katie starts with:

\[
\begin{array}{c}
-16 \\
8 \\
-2 \\
6 \\
\end{array}
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<th>( x^2 )</th>
</tr>
</thead>
<tbody>
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<td>( x )</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-16</td>
</tr>
<tr>
<td></td>
<td>-16</td>
</tr>
</tbody>
</table>

**Katie starts with:**

\[ x^2 + 6x - 16 = 0 \]
\[ (x + \_)(x - \_) = 0 \]

**Miguel starts with:**

**Who is correct? How do you know?**
Who is right?

Here they go again! This time the problem is:

Factor the expression \( x^3 + 6x - 16 \)

Stefon starts with:

Katie starts with:

Miguel starts with:

\[
\begin{array}{c|c}
\hline
x & x^2 \\
\hline
\square & -16 \\
\hline
\end{array}
\]

\[
\begin{array}{c|c}
\hline
x & -16 \\
\hline
x & 6 \\
\hline
\end{array}
\]

\( x^2 + 6x - 16 = 0 \)

\( (x + \text{ } )(x - \text{ } ) = 0 \)

Who is correct? How do you know?