Tool Proficiency Project: *Compound Miter Saw*

Instructions for Lab Assistant:

**Before You Begin This Proficiency Assessment:**
- Watch the training videos for the compound miter saw
- [https://www.youtube.com/watch?v=FVpmjX1DjmI&feature=youtu.be&t=3m17s](https://www.youtube.com/watch?v=FVpmjX1DjmI&feature=youtu.be&t=3m17s)
- Read and understand all safety instructions associated with the equipment

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Miter Saw</td>
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<tr>
<td>1</td>
<td>2x4 at least 24” long</td>
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<tr>
<td>1</td>
<td>1x10 ≥ 8’</td>
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**YOUR TASKS**
- Cut an 8” length of 2x4. One end should be square, the other at a 30° angle (miter cut)
- Cut a 4’ section of 1x10

**Proficiencies to Demonstrate on the Compound Miter Saw:**
- Proper utilization of all personal protective equipment
- Set blade at specific angles for miter and square cuts
- Proper hand placement while cutting
- Supporting long pieces
- Properly securing wood, both long and short
- Cut sequence: plunge versus slide
- Optional: Set blade angle for bevel cuts