You are buying $60 worth of lawn seed mixture that consists of two types of seed. One type costs $5 per pound and the other costs $6 per pound. Use this information to answer the questions.

1. Write an equation to find the amount of each seed that you can buy. Define the variables.

2. Find and interpret the intercepts.

3. Model this situation with a graph.

4. Find and interpret a whole number solution.
Slope Intercept Form

An equipment rental company charges a $25 fee plus $50 per hour. Use this information to answer the questions.

1. Write an equation to show the amount you pay (y) after a certain number of hours (x).

2. Find and interpret the y-int.

3. Find and interpret the slope.

4. Model this situation with a graph.
Point Slope Form

A plumber charges $85 for 3 hours of labor and $125 for 5 hours of labor. Use this information to answer the questions.

1. Complete the table and model this situation with a graph.

<table>
<thead>
<tr>
<th>Hours of labor</th>
<th>Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

2. Find the plumber’s rate.

3. Find the plumber’s base charge.

4. Write an equation for this line in all three forms. Start with point slope form.