Homework 6.2

Customary Units of Length

<table>
<thead>
<tr>
<th>12 inches (in.) = 1 foot (ft)</th>
<th>How many feet are in 288 inches?</th>
<th>How many feet are in 4 yards 2 feet?</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 feet = 1 yard (yd)</td>
<td>Remember: Divide to change from a smaller to a larger unit.</td>
<td>Remember: Multiply to change from a larger to a smaller unit.</td>
</tr>
<tr>
<td>36 inches = 1 yard</td>
<td>288 in. = □ ft</td>
<td>4 yd 2 ft = □ ft</td>
</tr>
<tr>
<td>5,280 feet = 1 mile (mi)</td>
<td>288 ÷ 12 = 24</td>
<td>4 × 3 = 12</td>
</tr>
<tr>
<td>1,760 yards = 1 mile</td>
<td>288 in. = 24 ft</td>
<td>12 ft + 2 ft = 14 ft</td>
</tr>
</tbody>
</table>

Complete.

1. ____ ft = 6 yd
2. 3 mi = ____ ft
3. 24 yd = ____ ft

4. 114 in. = ____ ft ____ in.
5. 8,000 ft = ____ mi ____ ft
6. 180 in. = ____ ft

Compare. Write >, <, or = for each ○.

7. 6 ft ○ 72 in.
8. 150 in. ○ 5 yd
9. 2 mi ○ 10,000 ft

Which unit would you use to measure each? Write inch, foot, yard, or mile.

10. the length of a puppy _________
11. the length of a soccer field _________
12. the width of your state _________
13. the height of a van _________

Problem Solving

14. Gayle has 5 yd 2 ft of wire. Mae has 204 in. of wire. Who has more wire? Explain how you found your answer.