Identifying Populations and Samples

Use the scenario to identifying populations and samplings.

1) A toy store owner tracking how much kids spend each month on toys.
   Which choice best represents a population?
   A. All of the kids who buy toys.
   B. 226 boys and girls in the toy store.
   C. 230 rich kids.
   D. 261 boys age 7 - 15

2) A musician wanted to see what people who bought his last album thought about the songs.
   Which choice best represents a sample?
   A. Every person from age 5 - 12 who bought the album.
   B. A selection of 9,630 people who bought the album.
   C. 268 girls who bought the album.
   D. Every person who bought the album.

3) Before a nation wide election, a polling place was trying to see who would win.
   Which choice best represents a population?
   A. All voters.
   B. A selection of voters from all over the nation.
   C. A selection of votes from one part of the nation.
   D. A selection of voters over age 50.

4) A survey company was trying to see if people in a state thought the pollution was too high.
   Which choice best represents a population?
   A. Every person who owns more than 3 cars.
   B. Every person who sent in a complaint about pollution.
   C. A selection of people from each city in the state.
   D. Every person in the state.

5) A restaurant chain wanted to find out how the customer experience was in a store.
   Which choice best represents a sample?
   A. 1 out of every 37 customers
   B. All of the people who ate at the store.
   C. 245 customers who filled out complaint cards.
   D. 229 customers who spent more than $15.

6) A school principal wants to see which subject the 500 students in his school liked best.
   Which choice best represents a sample?
   A. The girls in the school.
   B. All the students in the school.
   C. The first 86 students who come into the school.
   D. The students in 3rd grade.
Use the scenario to identifying populations and samplings.

<table>
<thead>
<tr>
<th>Question</th>
<th>Population</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) A toy store owner tracking how much kids spend each month on toys. Which choice best represents a population?</td>
<td>A. All of the kids who buy toys.</td>
<td>B. 226 boys and girls in the toy store.</td>
</tr>
<tr>
<td>2) A musician wanted to see what people who bought his last album thought about the songs. Which choice best represents a sample?</td>
<td>A. Every person from age 5 - 12 who bought the album.</td>
<td>B. A selection of 9,630 people who bought the album.</td>
</tr>
<tr>
<td>3) Before a nation wide election, a polling place was trying to see who would win. Which choice best represents a population?</td>
<td>A. All voters.</td>
<td>B. A selection of voters from all over the nation.</td>
</tr>
<tr>
<td>4) A survey company was trying to see if people in a state thought the pollution was too high. Which choice best represents a population?</td>
<td>A. Every person who owns more than 3 cars.</td>
<td>B. Every person who sent in a complaint about pollution.</td>
</tr>
<tr>
<td>5) A restaurant chain wanted to find out how the customer experience was in a store. Which choice best represents a sample?</td>
<td>A. 1 out of every 37 customers</td>
<td>B. All of the people who ate at the store.</td>
</tr>
<tr>
<td>6) A school principal wants to see which subject the 500 students in his school liked best. Which choice best represents a sample?</td>
<td>A. The girls in the school.</td>
<td>B. All the students in the school.</td>
</tr>
</tbody>
</table>

Answers:
1. A
2. B
3. A
4. D
5. A
6. C