1. **a) By next week, I will have been studying for three hours.**
   * This is the correct use of the future perfect continuous tense, indicating an ongoing action that will have been happening up to a future point.
2. **b) It is his sister who called him last night.**
   * This is the correct use of a cleft sentence to emphasize the subject ("his sister") in the sentence.
3. **a) eating**
   * "I saw him eating at the restaurant" uses the non-finite verb "eating," which is the correct form in this context.
4. **a) She likes tea, and he coffee.**
   * This is the correct use of an elliptical construction, where the verb "likes" is omitted after "he" because it's implied.
5. **a) would**
   * The correct form is "would" in this third conditional sentence (past perfect + conditional).
6. **a) If I had been studying harder, I would have passed the exam.**
   * This is the correct form of a past perfect continuous conditional sentence, where the past action is imagined, and its consequence is in the past.
7. **a) Hardly had I left the house when it started to rain.**
   * This is the correct inversion after the negative adverb "hardly."
8. **a) I wish that he had more patience.**
   * This sentence correctly uses the past perfect in the subjunctive mood to express a hypothetical wish about the past.
9. **c) She is interested in learning new languages.**
   * After prepositions like "in," the correct form is the gerund ("learning").
10. **c) The book I bought yesterday is interesting.**

* This is a reduced relative clause, where the relative clause "that I bought" is shortened to just "I bought."