Problem-Solving Application: Use a Graph

Georgia works every day at her ceramics studio. Each day, after taking time to set up her studio, she makes plates. The graph shows the relationship between the number of plates she completes and the number of hours Georgia works in her studio. Use the graph for Problems 1–5.

1. How many hours will it take Georgia to complete 3 plates?

2. How much more time will it take her to complete 5 plates than 2 plates?

3. Georgia spent 6 hours at her studio. She sells all the plates that she completed in that time. If she sells each plate for $20, how much money does she make?

4. Georgia spent 9 hours working in her studio each day for 5 days. How many plates did she complete?

5. If you extend the line, will the point (8,17) be on it?