Comparing and Ordering Square Roots

Name: _____ Date: _____

Part A: Compare the Numbers

Write <, >, or = in each box.

1. √16 _____ 5
2. √25 _____ 6
3. √9 _____ 3
4. √36 _____ 7
5. √49 _____ 8
6. √64 _____ 9
7. √81 _____ 10
8. √100 _____ 11

Part B: Order from Smallest to Largest

Write the numbers in order on the line provided.

9. 5, √16, 3, √9

_____

10. √36, 8, √49, 5

_____

11. 10, √81, √64, 7

_____

12. √100, 12, √121, 9

_____

Part C: Order from Largest to Smallest

Write the numbers in order on the line provided.

13. √4, 6, √25, 2

_____

14. 11, √144, √100, 9

_____

15. √49, 5, √36, 8, √64

_____

Part D: Challenge Questions

16. Which is greater: √50 or 7? Explain your reasoning.

17. Place these numbers in order from smallest to largest: 4, $\sqrt{20}$, $\sqrt{36}$, 5, $\sqrt{16}$