

Name _____

Date _____

Area and Circumference of a Circle - Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem. Use 3.14 for pi. Units of measurements are removed. *Show all of your work on a separate sheet of paper*

- _____ 1. Patricia buys a round dinner table. The radius of dinner table is 6 meters. What is the area of table? a. 56.52
- _____ 2. Charles has a circular carpet in his drawing room. He wants to put a circular table in ^{the} middle of the carpet. The diameter of the carpet is 12 meters and the diameter of the table is 4 meters. Calculate how much area of carpet is left after putting the table in place? *(Draw a picture)* b. 113.04
- _____ 3. Steven purchases a bowl. The diameter of the bowl is 14 cm. What is the circumference of the bowl? c. 43.96
- _____ 4. Daniel wants to buy cookies for ^{his} her friend. The radius of a cookie is 5 inches. What is the cookie's circumference? d. 50.24
- _____ 5. Donna makes a round pizza. She wants to put a cheese layer on the pizza. If the cake is 8 cm in diameter, how many square cm of cheese layer does she need to put on the pizza? e. 19.625
- _____ 6. Cynthia wants to buy a round photo frame for her brother. The radius of the photo frame is 9 cm. What is the photo frame's circumference? f. 100.48
- _____ 7. Brian made a tasty burger. The diameter of the burger was 5 cm. What was the area of burger? g. 31.4

