Lesson 3.2 Practice: Density Curves

School Launch · Statistics · Unit 3: Position and the Normal Distribution · Worksheet A

Calculator / tables

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. A uniform density curve runs from 0 to 19. What is its height, and what proportion of values fall between 4 and 18? EASY

2. A uniform density curve runs from 0 to 12. What is its height, and what proportion of values fall between 8 and 11? EASY

3. A uniform density curve runs from 0 to 11. What is its height, and what proportion of values fall between 0 and 9? EASY

4. A uniform density curve runs from 0 to 6. What is its height, and what proportion of values fall between 2 and 6? MEDIUM

5. A uniform density curve runs from 0 to 5. What is its height, and what proportion of values fall between 3 and 4? MEDIUM

6. A uniform density curve runs from 0 to 17. What is its height, and what proportion of values fall between 5 and 16? MEDIUM

7. A uniform density curve runs from 0 to 14. What is its height, and what proportion of values fall between 2 and 5? MEDIUM

8. A uniform density curve runs from 0 to 13. What is its height, and what proportion of values fall between 5 and 9? HARD

9. A uniform density curve runs from 0 to 13. What is its height, and what proportion of values fall between 3 and 4? HARD

10. A uniform density curve runs from 0 to 17. What is its height, and what proportion of values fall between 12 and 13? HARD