

Chapter 10 연습문제 정답

1.

(a) 증명 생략

(b) $a = \frac{1}{2}, b = \frac{1}{2}$

2.

(a) $\hat{\mu}_2, \hat{\mu}_3$

(b) $\hat{\mu}_3$

3.

(a) (14.4517, 15.5483)

(b) (14.3467, 15.6533)

(c) (14.14, 15.86)

4.

(a) (40.6281, 41.3719)

(b) (40.2252, 41.7748)

(c) (39.8843, 42.1157)

(d) (39.3575, 42.6425)

5.

(a) (24.02, 25.98)

(b) (24.307, 25.693)

(c) (24.51, 25.49)

6. (33.684, 36.316)

7.

(a) (89.5, 90.7)

(b) $\left(\frac{87.2407}{45.72}, \frac{87.2407}{16.05} \right)$

8. (89.562, 90.638)

9. (940.153, 963.847)

10.

(a) (1.39, 1.81)

(b) $\left(\frac{3.8475}{32.85}, \frac{3.8475}{8.91} \right)$

11. (3.33, 3.87)

12. (99.185, 99.615)

13. $(\sqrt{0.0858}, \sqrt{0.3989}) \approx (0.2928, 0.6308)$

14. (0.014, 0.066)

15. (0.0245, 0.0795)

16. (2.2427, 2.5573)

17. (0.0655, 0.4145)

18. (− 0.416, 1.256)

19. (1.34, 6.26)

20. (0.24, 5.56)

21. (− 3.55, 8.55)

22. (− 3.756, 8.756)

23. (0.087, 0.305)

24. (− 0.06, 1.06)

25. (17.62, 55.38)

26. (0.154, 10.64)

27. (0.3828, 11.172)

28. (− 0.06, 0.104)

29. $(-0.0093, 0.1003)$

30. 139

31.

(a) 1476

(b) 9604