

Mid-Term Exam Review *

Answer Section

SHORT ANSWER

1. ANS:
2

2. ANS:
141993

3. ANS:
\$562.50

4. ANS:
25%

5. ANS:
20%

6. ANS:
68%

DIF: L1 REF: 12-7 Normal Distributions

7. ANS:
range = 45; interquartile range = 28

DIF: L1 REF: 12-4 Standard Deviation

8. ANS:
 $32^{\frac{3}{5}} = 8$

DIF: L2 REF: 8-3 Logarithmic Functions as Inverses

9. ANS:
mean = 54.1;
standard deviation = 10.5

DIF: L1 REF: 12-4 Standard Deviation

10. ANS:
2072

11. ANS:
390

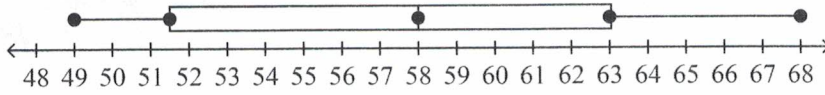
12. ANS:
mean = 81.1, median = 82.5,
mode = 83

DIF: L1 REF: 12-3 Analyzing Data

13. ANS:

15. ANS:
4, 28, 52
DIF: Average REF: Page 582
16. ANS:
-15, -45, -135, -405
DIF: Average REF: Page 591
17. ANS:
 $[-2, 1) \cup (1, 4)$
18. ANS:
4.3%
19. ANS:
 $720x^2$
20. ANS:
variance = 12.8;
standard deviation = 3.6
DIF: L2 REF: 12-4 Standard Deviation
21. ANS:
reflected over the x-axis, shifted 3 units right, and 1 unit up
22. ANS:
18
23. ANS:
yes; 3
DIF: L2 REF: 9-2 Arithmetic Sequences
24. ANS:
Power Property and Product Property
DIF: L1 REF: 8-4 Properties of Logarithms
25. ANS:
 $9^3 = 729$
DIF: Basic REF: Page 536
26. ANS:
 $720x^2$
27. ANS:
15552
28. ANS:
156,000
29. ANS:
P;453,600

30. ANS:



DIF: L1

REF: 12-3 Analyzing Data

31. ANS:
28.1%

32. ANS:
-726

DIF: Basic

REF: Page 597

33. ANS:
122