

Chapter 1 College Preparation Test Answers

1. B
2. A
3. A
4. B
5. C
6. C
7. C
8. D
9. B
10. B
11. C
12. D
13. \$87.78
14. 33 391.5 cm²
15. 2714 m³
16. 828 cm²
17. 178 442 km

Chapter 2 College Preparation Test Answers

1. D
2. A
3. B
4. C
5. A
6. A
7. D
8. C
9. A
10. B
11. $\sin D = 0.426$, $\cos D = 0.905$, $\tan D = 0.471$
12. 8 m
13. 4.8 m, 5.9 m
14. 1693 m
15. 0.31 m

Chapter 3 College Preparation Test Answers

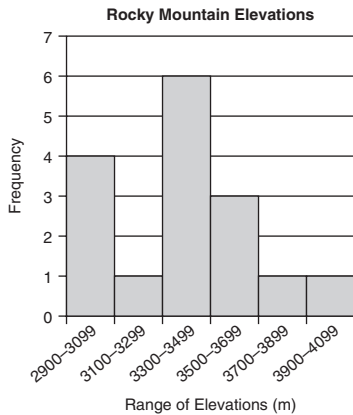
1. C
2. B
3. C
4. B
5. A
6. A
7. B
8. C
9. C
10. B
11. D
12. A
13. D

14. a) mean: 3373 m, median: 3361.5 m, mode: 3360 m

b) Answers may vary. For example:

Range of Elevations (m)	Frequency
2900–3099	4
3100–3299	1
3300–3499	6
3500–3699	3
3700–3899	1
3900–4099	1

c) Graphs may vary. For example:



d) Answers may vary. For example: Histograms are more appropriate than bar graphs to display continuous data that fall into several intervals.

15. a) mean: 6.86; mode: 10; median: 10
 b) mode
 c) mean: 13.71; mode: 10; median: 10

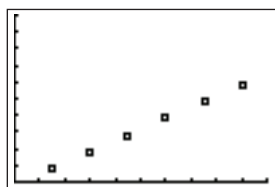
Chapter 4 College Preparation Test Answers

1. B
2. A
3. D
4. A
5. C
6. D
7. D
8. C
9. A
10. D
11. B
12. B
13. 500 g
14. 216 cm
15. after 14.3 years

Chapter 5 College Preparation Test Answers

1. B
2. B
3. A
4. C
5. D
6. D
7. A
8. D
9. A
10. C
11. D
12. $-2x^4y^3z$
13. $\frac{27}{a^3b^9}$
14. 213 days

15.



Xmin = 0, Xmax = 10, Xscl = 1, Ymin = 0,
Ymax = 10, Yscl = 1
 $y = 0.657x - 0.131$

Chapter 6 College Preparation Test Answers

1. B
2. A
3. B
4. C
5. B
6. D
7. D
8. A
9. B
10. B
11. B
12. A
13. A
14. C
15. B
16. 300 s
17. 1 electrician, 6 carpenters, 2 drywallers

Chapter 7 College Preparation Test Answers

1. D
2. B
3. A
4. B
5. C
6. B
7. C
8. D
9. A
10. A
11. D
12. 81%
13. 12.5%

Chapter 8 College Preparation Test Answers

1. B
2. B
3. B
4. A
5. C
6. D
7. A
8. \$2946.92
9. the bank loan